

Bridge Inspection										
Bridge File Number	75722 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1964/1964					Lot No.	2			
Bridge or Town Name	WETASKIWIN					Inspector Name	Owen Salava			
Located Over	2:30 R1 6.666;2:30 L1 6.679					Inspector Class	BR CLS A			
Located On	25111:02 C1 0.164					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	20-Feb-2013			
Legal Land Location	SW SEC 5 TWP 47 RGE 25 W4M					Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:37:44, 53:01:04					Data Entry Date	12-Mar-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	John O'Brien			
Contract Main. Area	CMA17					Review Date	27-Feb-2013			
Clear Roadway/Skew	9.1 / -26 deg. (LHF)					Dept. Reviewer Name	Chris Black			
AADT/Year	100 / 2003 (E)					Dept. Review Date	14-Mar-2013			
Road Classification	RLU-209G-90					Follow-Up By				
Detour Length (km)	1									
Allowable Load (t):	Single	CS1 44 GIRDER		Semi	CS2 56 GIRDER		Train	CS3 75 GIRDER		----> On Critical Spans ---->Critical Member
Design Loading:	HS20									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: 2 L1 5.4m, 2 R1 5.4m									
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)	5.4	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.3	In Advance (Y/N)	Yes
Remarks												
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	EB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Posted:	Lane	WB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
Remarks												

Hazard Marker At Bridge (Y/N)	No											
Remarks	Not required.											
Other Sign Types												

Utilities (Located at)												
Utility Attachments												
Telephone						Gas						
Power	3 wire o/h, N r/w, crosses Hwy 2.					Municipal						
Others						Problem (Y/N)	No					
Remarks												

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Vertical crest curve typical of GS.
Vertical Alignment		6	6	
Roadway Width (m)	7.900			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		6	6	
Length (m)	99.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		6	6	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 4 Spans, Lengths(m): 15.2-25.6-25.6-15.2, A-Ident Number: )					
<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>	0	0	0	0	
<b>Now</b>	30.0	0.0	0.0	0.0	
Wearing Surface			8	8	SFRC.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			5	5	Gland covered by gravel.
Temperature (deg. C)		-6			
(Expansion Type : <b>GLAND (SILICON SEAL)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
78		E. abut			
85		W. abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			6	6	About 30% nuts not fully engaged at anchor bolts; many about 1/3 engaged (photo).
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )					
Bridge Rail Posts			4	3	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	6th post from NE missing back nut.
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			7	4	Delamination outside girder exterior leg flange above E end of P1, S2G1.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : <b>24</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 4 Spans, Lengths(m): 15.2-25.6-25.6-15.2, A-Ident Number: )				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	P1,3 seat cracked at S end below bearing.
Temperature (deg. C)	-6			A1-2 P1-2
(Expansion Type : <b>ROCKER BEARING</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		7	7	Icicle down backwall at SW corner.
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		5	5	Some flaking off at wingwalls.
Abutment Stability		7	7	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				Pier seat delaminating cracks under bearing, E face of P3, S end, P1 W face S end and E face P1 S end (photo).
Bearing Seats/Caps		4	4	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>0:0:0</b> )				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		4	4	Coating peeling about 5%.
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	9	
Traffic Safety Features		6	6	
Type	GUARDRAIL			
Slope Protection		7	7	
(Type : <b>CONCRETE; CONCRETE</b> )				
Bank Stability		7	7	
Drainage		5	5	
<b>Grade Separation General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Rehabilitate post anchors.					
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	Repair pier caps.					
OTHER ACTION	2013	Patch S2G1 leg delam at P1, 0.01m3 OH-V.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>66.7/59.2</b>	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	No action for cap sealing.		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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	20-Nov-2014		Previous Inspection Date	12-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							