

Bridge Inspection										
Bridge File Number	76719 -1 Bridge				Form Type	PSR				
Year Built/Year Supstr	1980/1980				Lot No.	2				
Bridge or Town Name	WETASKIWIN				Inspector Name	Owen Salava				
Located Over	CPR				Inspector Class	BR CLS A				
Located On	13:08 C1 0.622				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	27-Jun-2012				
Legal Land Location	SW SEC 26 TWP 46 RGE 24 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:22:51, 52:59:20				Data Entry Date	15-Jul-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA17				Review Date	05-Jul-2012				
Clear Roadway/Skew	13.4 / 35 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	5,230 / 2011 (A)				Dept. Review Date	19-Jul-2012				
Road Classification	RAU-213.4-120				Follow-Up By					
Detour Length (km)	2									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member			
Design Loading:	HS25						---> Primary Span			

Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)	No									
Posted:	Lane	EB	On Bridge (m)	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	In Advance (Y/N)	No
Remarks	Clearance below for CPR traffic only.									
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)	No									
Remarks	Markers not required.									
Other Sign Types										

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	Plowed in North and South r/w.		Gas
Power	Major line crosses 100 m East.		Municipal Street lighting starts 100m West.
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Intersection with Hwy 2A is 300m West. Bridge on crest of curve fill over railway.
Vertical Alignment		6	6	
Roadway Width (m)	13.000			Not thrie beam. Non-standard bolts at transition connections.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		6	6	
Length (m)	99.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		4	4	Minor erosion at NW - trough drain side deteriorated/broken away (photo). Chipseal build-up under guardrail.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RD, 3 Spans, Lengths(m): 19.8-21.3-19.8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	5	Delamination of chipseal in isolated locations, peeling up along N curb.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			6	6	EBL paving lip degrading along shoulder. Abut 1, P1, P2 all fixed
Temperature (deg. C)		15			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
41		E. abut			
		E. pier			
		W. pier			
		W. abut			
Deck Drainage			4	4	2 PVC pipes installed as retrofit. Water can get through between approach slab and curb at SE, NW & NE. Leak S3 btw. G5-6 with stains at underside.
Drains Clogged (Y/N)		No			
Curbs/Median			3	3	Many spalls & rust stains in North curb of span 3 due to lack of cover. Spall at NW corner near joint due to insufficient cover - photos. Spall at SP1 north over pier - photo
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			7	7	6 A/B nuts not fully engaged
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			4	4	Active rust on bottom of most steel posts bearing on grout.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 3 Spans, Lengths(m): 19.8-21.3-19.8, A-Ident Number:)				
Girders		7	7	
Cracking (Y/N)	No			
Spalling (Percent Area)	0			
(Number Of Girders : 36)				
Diaphragms/Cross Frame		X	X	
Bearings		6	6	
Temperature (deg. C)	15			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	Delaminated at S end of A2; Delam at N end of A1. Gaps at SW, NW & NE leak & may be cause of delaminations.
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		4	4	Peeling in localized areas, graffiti covered.
Abutment Stability		6	6	
Scour/Erosion		7	5	Some erosion along NW wingwall.
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		4	4	Spall/delam @ S end of E pier - est 200 x 150 x 50mm deep - photo. Minor stain on East pier cap, not a problem. Wide crack under S1G2 at pier cap. Gaps at pier curb joints leak & contribute to damage at pier ends.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 7:7)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	Galvanized
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		6	6	The West has settled 125mm and the East has settled 120 mm. Both are tight against the wall; heavy graffiti throughout.
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		5	5	
Grade Separation General Rating		5	5	

Maintenance Recommendations									
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS	2012	Patch exposed rebar & spalled curb @ SE, NW corner & North curb over P1 & seal, 0.2m3 OH-V.							
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
WASHING	2012	Clear excess chipseal gravel from windrows.							
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2012	Repair NW trough drain - 1m3 concrete.							
OTHER ACTION	2012	Seal gaps @ SE, NE & NW corners.							
OTHER ACTION	2012	Patch spalled East pier near South end, patch cracked SE & NW abut corners, 0.2m3 OH-V.							
OTHER ACTION	2012	Seal gaps at pier curb joints.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	63.3/57.8	Est. Repl. Yr	2037	Maint. Req. (Y/N)	Yes		
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date	Estimated Total 0					
Proposed Long-Term Strategy	2005.04.05 First rehab in about 2015. Bridge should be good until 2060.								
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava	Previous Assistant's Name							
Next Inspection Date	27-Mar-2014	Previous Inspection Date		30-Aug-2010					
Inspection Cycle (Default) (months)	21								

Comment	
---------	--

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS	2012	Patch exposed rebar & spalled curb @ SE, NW corner & North curb over P1 & seal, 0.2m3 OH-V.	At next Rehab	2017			
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2012	Clear excess chipseal gravel from windrows.	At next Rehab	2017			
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Repair NW trough drain - 1m3 concrete.	At next Rehab	2017			
OTHER ACTION	2012	Seal gaps @ SE, NE & NW corners.	At next Rehab	2017			
OTHER ACTION	2012	Patch spalled East pier near South end, patch cracked SE & NW abut corners, 0.2m3 OH-V.	At next Rehab	2017			
OTHER ACTION	2012	Seal gaps at pier curb joints.	At next Rehab	2017			
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	63.3/57.8	Est. Repl. Yr	2037	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments	Tentatively programmed for rehab in 2017. AS			
Maintenance Reviewed By	Andrew Smikles		Date	24-Oct-2012	Estimated Total	0	
Proposed Long-Term Strategy	2005.04.05 First rehab in about 2015. Bridge should be good until 2060.						

On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	27-Mar-2014	Previous Inspection Date	30-Aug-2010
Inspection Cycle (Default) (months)	21		
Comment			