

Bridge Inspection										
Bridge File Number	72545 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1990/1990				Lot No.	2				
Bridge or Town Name	WETASKIWIN				Inspector Name	Jason Saly				
Located Over	BIGSTONE CREEK, 5.47.4, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	2A:26 C1 7.219				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	24-Nov-2011				
Legal Land Location	SW SEC 10 TWP 47 RGE 24 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:26:10, 53:02:18				Data Entry Date	21-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA17				Review Date	15-Dec-2011				
Clear Roadway/Skew	13.3 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	6,970 / 2010 (A)				Dept. Review Date	09-Jan-2012				
Road Classification	RAU-213.4-120				Follow-Up By					
Detour Length (km)	10									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	CS750									----> Primary Span

Posting Information									
Required Load Posting (t)			Single		Semi		Truck Train		
Posted Loading (t)			Single		Semi		Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	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	Creek ID.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	6 wire 20m East of c/l - telecom.				Problem (Y/N)	No			
Remarks									

Approach Road														
			Last	Now	Explanation of Condition									
Horizontal Alignment			7	7	No passing SBL. Residence entrance north & South. In sag with limited sight to South.									
Vertical Alignment			6	6										
Roadway Width (m)		13.000												
Approach Bump			7	7	Not thrie beam.									
Guardrail (Y/N)		Yes												
Guardrail			6	6										
Length (m)		29.000												
Current Standard (Y/N)		Yes												
Termination Type		Turn Down												
Drainage			7	N										
Approach Road General Rating			6	6										

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SMC, 3 Spans, Lengths(m): 11-11-11, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last						
Now	10.0	0.0	0.0	0.0		
Wearing Surface				6	8	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 90)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			N	N	(Buffer angle and concrete paving lip. 2003/09/22) Paved over.	
Bump (Y/N)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			5	N	(Slight scrape along bottom edge of curb face SE corner 15mm deep x 50mm x 300mm. 01Mar2010). Snow covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		15				
Bridge Rail			8	8	Snow covered.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			6	N		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders			6	6	0.3mm wide longitudinal crack in fascia of ext. girders 200 to 300mm from bottom, along entire length of girder. Chip in NE exterior girder. NE girder tight to wingwall, no problems.	
Last Complete Inspection Date		24-Nov-2011				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 36)						
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						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		1.30				
Wingwalls				8	8	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
Map cracking on top of wingwall parging.						
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
SE cap end stained. Minor short horizontal narrow crack @ SW cap end.						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 750)						
(Width(mm) : 700)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.90				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				6	6	
Galvanized.						
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	Yes			Concrete block with rebar.
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Bends U/S & D/S.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible. Beaver dam 10m u/s of bridge.
Drift (Y/N)	Yes			
Slope Protection		4	4	Missing 4 interlock bricks @ North headslope. Blocks laid in channel. Rock riprap class II at toe of slopes.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Remove beaver dam.					
OTHER ACTION	2012	Replace bridge plaque @ SE wing.					
OTHER ACTION	2012	Replace missing interlock brick @ North headslope (4).					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	67.1/62.2	Est. Repl. Yr	2048	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	24-Aug-2013	Previous Inspection Date	01-Mar-2010				
Inspection Cycle (Default) (months)	21						
Comment							