

Bridge Inspection									
Bridge File Number	72398 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1968/1968				Lot No.	1			
Bridge or Town Name	WARWICK				Inspector Name	Owen Salava			
Located Over	2ND ORDER TRIBUTARY TO VERMILION RIVER, 6.5.32.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	857:04 C1 18.099				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Jul-2011			
Legal Land Location	SW SEC 18 TWP 54 RGE 14 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:03:58, 53:39:45				Data Entry Date	25-Aug-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA14				Review Date	19-Jul-2011			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Chris Black			
AADT/Year	990 / 2010 (A)				Dept. Review Date	30-Aug-2011			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> 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)	Yes								
Remarks	SW missing.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	Fibreoptic plowed in E r/w.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	19.3m @ NW & SE corners. 15.5m @ NE & SW corners. Not thriebeam.				
Vertical Alignment			9	9					
Roadway Width (m)	9.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	15.500								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			7	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 2 Spans, Lengths(m): 8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	100	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	4 lines - longit ACP cracking.sealed
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Double layer.
(Type : FLEX BEAM)					
Bridge Rail Posts			6	6	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Not visible due to high water.
Last	22	0	0	0	
Now	220	0	0	0	
Girders			N	N	Based on general rating, rating was 3 but no explanation of condition from unknown date.
Last Complete Inspection Date					
Cracking (Y/N)		Yes			Not visible.
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 22)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	G.R. carried forward from unknown date.

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : Y)									
(Extended Backwall Piles Spacing(mm) : 1500)									
(Total Number of Caps/Corbels : 6:6)				7 piles in N abut with 130x305 shim on top of cap & 200x305 concrete shim on top of subcap. Concrete shim crowned.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last									
Now	12	0	0				0		
Bearing Seats/Caps/Corbels							N	N	
(Type : TREATED TIMBER)									
(Depth(mm) :)									
(Width(mm) :)									
Backwalls/Breastwalls							N	N	Piles connected with backwall clamps and scabs. Vertical T & G sheathing.
Greatest Height (m)		2.50							
Wingwalls				5	4	SE wingwall planks & pile damaged.			
(Total Number of Bearing Piles : 9:9)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now	18	0	0	0					
Piles				N	N				
Paint/Coating				X	X				
Abutment Stability				6	6				
Scour/Erosion				N	N				
Piers/Bents									
(Type : PIER-COLUMN)									
(Total Number of Caps/Corbels : 4)				(Max deck to S/B 2.5m. 08/06/07). 2.6m to ice. Concrete crowned shim on subcap ~200x305mm.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last									
Now	4	0	0				0		
Bearing Seats/Caps/Corbels							N	N	
(Type : TREATED TIMBER)									
(Depth(mm) :)									
(Width(mm) :)									
(Total Number of Bearing Piles : 9)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now	9	0	0	0					
Pier Shaft/Piles				N	N				
Greatest Height (m)									
Bracing/Struts/Sheathing				N	N				
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description :)									
(Colour Code :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		N	N	
Debris (Y/N)	Yes			(1m of water under bridge old abut piles + sheathing. 08Jun2007).
Substructure General Rating		5	5	GR carried forward from 08Jun2007 but control elements not rated then either.
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Channel E of bridge has been dredged.
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.6			
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

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	2012	Remove old piles, if not yet done.					
INSTALL STRUTS							
OTHER ACTION	2012	Replace HM at SW.					
OTHER ACTION	2012	Review file, girder previously rated 3, add dept. comments.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	67.2/66.1	Est. Repl. Yr	2024	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	(No action for girders at this time. 08Jun2007).		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	Glen Smith		Previous Assistant's Name				
Next Inspection Date	14-Oct-2014		Previous Inspection Date	08-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							