

Bridge Inspection									
Bridge File Number	09035 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1968/1968				Lot No.	2			
Bridge or Town Name	WARWICK				Inspector Name	Owen Salava			
Located Over	TRIBUTARY TO VERMILION RIVER, 6.5.32, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	857:04 C1 12.282				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Jul-2011			
Legal Land Location	NW SEC 30 TWP 53 RGE 14 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-112:03:58, 53:36:37				Data Entry Date	09-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	Andrew Smikles			
AADT/Year	990 / 2010 (A)				Dept. Review Date	29-Aug-2011			
Road Classification	RLU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 30 GIRDER		Semi	CS2 49 GIRDER		Train	CS3 70 GIRDER	
Design Loading:	HS20							----> On Critical Spans ---->Critical Member	
								----> 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	Marker post attached to flexbeam with 1 bolt, leaning. SW post rotted. Missing at SW, SE & NW.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	Plowed in W ditch.				Gas				
Power					Municipal				
Others	Fibreoptic plowed in E ditch.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Farm approaches NW + SW corners. Entrance @ NE.				
Vertical Alignment			8	8					
Roadway Width (m)	9.200								
Approach Bump			4	6					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	11.800				Insufficient length; not thriebeam.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			4	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 10.1, 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	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Minor chip on exterior edge @ NE.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	5	Single layer - do not meet std. Missing one nut on W side. (WP3 - photo). Ep5 minor damage to top.
(Type : FLEX BEAM)					
Bridge Rail Posts			3	3	
(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)	
Last	11	0	0	0	
Now	11	0	0	0	
Girders			N	N	(See separate "girder rating" sheet. Many end dia spalls, typical flexural cracks. (1 pt increase for curb unit in worst condition). G11 wide crack in W leg half length extended into AZ. G10 wide crack in E leg outside AZ. G1 short wide crack outside AZ in E leg. Unknown Date).
Last Complete Inspection Date					
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	GR carried forward from unknown date.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)				Extended.		
(Extended Backwall Piles Spacing(mm) : 1400)				Piles anchored with clamp/scab. 1.1m water under bridge.		
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	2	0	0	0		
Bearing Seats/Caps/Corbels				N	N	
(Type : STEEL)						
(Depth(mm) : 360)						
(Width(mm) : 380)						
Backwalls/Breastwalls				N	N	
Greatest Height (m)		2.50				
Wingwalls				4	5	
(Total Number of Bearing Piles : 8:8)				(A2P2 med. vert. split - photo. Unknown date).		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	16	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				5	N (Small scour hole under bridge - no problem. Unknown date).	
Piers/Bents						
(Type :)		3.9m from top of curb to S.B.				
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				X	X	
(Type :)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles :)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old pile under bridge.
Substructure General Rating		4	4	GR carried forward from unknown date.
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.6			
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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	2012	Upgrade to double layer. Reinstall nut at W bridgerail post.					
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 old piles/sheathing under bridge.					
OTHER ACTION	2012	Install all new HMs & secure to end post.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	56.3/64.8	Est. Repl. Yr	2024	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	Glen Smith		Previous Assistant's Name				
Next Inspection Date	14-Oct-2014		Previous Inspection Date	11-Jul-2007			
Inspection Cycle (Default) (months)	39						
Comment							