

Bridge Inspection							
Bridge File Number	02102 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1965/1965			Lot No.	4		
Bridge or Town Name	STAVELY			Inspector Name	Garry Roberts		
Located Over	WILLOW CREEK, 2.12.25, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	527:02 C1 0.331			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	22-May-2010		
Legal Land Location	SE SEC 32 TWP 13 RGE 28 W4M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-113:47:12, 50:07:24			Data Entry Date	17-Aug-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Ash Morjaria		
Contract Main. Area	CMA26			Review Date	28-May-2010		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Lorenz Bohnert		
AADT/Year	490 / 2009 (A)			Dept. Review Date	18-Aug-2010		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	32						
Allowable Load (t):	Single	CS1 51 GIRDER	Semi	CS2 69 GIRDER	Train	CS3 97 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								
Other Sign Types	Narrow bridge, curve, crk ID							

Utilities (Located at)				
Utility Attachments				
Telephone	1ST SOUTH UNDER BRIDGE AGT-2ND ATTACHED-S CURB OUTSIDE		Gas Municipal Problem (Y/N)	10 m NORTH No
Power	Firder			
Others				
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Curve to the west limiting sight distance. Hill to the west.
Vertical Alignment		6	5	
Roadway Width (m)	9.000			
Approach Bump		7	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		5	6	Gully rock filled @ NW
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PO, 3 Spans, Lengths(m): 18.3-22.9-18.3, 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			7	7	Minor unevenness @ WB lane	
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	8		
Deck Joints			8	8		
Temperature (deg. C)		12				
(Expansion Type : SLIDING PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
85		E ABUT				
70		W ABUT				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			7	7	20% SURFACE CORROSION	
(Type : VERTICAL BAR)						
Bridge Rail Posts			7	7		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			7	4		
(Type : PAINT)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			5	6	VERT MED WIDTH CRACK @ POURED CONNECTION @ FASCIA OVER PIERS. Typical shoe plate cracks @ E abut	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 12)						
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 18.3-22.9-18.3, A-Ident Number:)				
Bearings		7	7	Rocker @ pier 1
Temperature (deg. C)	12			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Hairline cracks (horiz, transverse).
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	8	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		5	7	WIDE & MEDIUM VERTICAL CRACKS @ EAST Massive pair
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Slight rust @ water level.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		5	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	7	
Bank Stability		5	5	Cut banks
HWM (m below Top of Curb)	4.5			
Drift (Y/N)	No			
Slope Protection		6	6	Natural rock west.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/72.2	Sufficiency Rating (Last/Now) (%)	72.1/73.9	Est. Repl. Yr	2038	Maint. Req. (Y/N)	No
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	22-Aug-2013		Previous Inspection Date	04-Dec-2006			
Inspection Cycle (Default) (months)	39						
Comment							