						Bridge Ir	nspection								
Bridge File Num	ber	02102 -1 Bridge					Form Type			PSR					
Year Built/Year		1965/1965					Lot No.			4					
Supstr							Inspector Name			Garry Roberts					
	ridge or Town Name STAVELY						Inspector Class			BR CLS A					
Located Over				2.12.25, WA	TERC										
Located On		527:02 C	1 0.331				Assistant Class								
Water Body CI./	Year						Inspection Date			22-May-2010					
Navigabil. Cl./Ye	ar									Alyssa Boynton					
Legal Land Loca	ation	SE SEC 3	32 TWP	13 RGE 28 W	/4M		Data Entry Date			17-Aug-2010					
Longitude, Latitu	ide	-113:47:1	2, 50:07	24			Reviewer Name			Ash Morjaria					
Road Authority		Alberta T	ransporta	ation (AIT)		Review Date				28-May-2010					
Contract Main. A	rea	CMA26						pt. Reviewer Name		-					
Clear Roadway/	Skew	7.9/				Dept. Review Date				18-Aug-2010					
AADT/Year		490 / 200	9 (A)			Follow-Up By				107.09.2010					
Road Classificat	ion	RCU-209	-110				гоюм-ор бу								
Detour Length (I	(m)	32													
Allowable Load	Allowable Load (t): Single CS1 51 GIRDEF			Sen		S2 69 IRDER		Train		3 97 RDER		> On Criti >Critical M	cal Spans ⁄Iember		
Design Loading: HS20										> Primary Span					
					P	osting Ir	nformatior	1							
Required Load Posting (t)				Single			Semi	Semi			Truck Train				
Posted Loading	(t)			Single			Semi				Truck Train				
Posted:	Lane	NB		At Junction	Y/N)	No	In Ad	vance (Y/N)	No	At Bridge (Y/N)		No		
Posted:	Lane	SB		At Junction	Y/N)	No	In Ad	vance (Y/N)	No At Bri		idge (Y/N)	No		
Remarks	Not Re	quired													
Hazard Marker /	At Brida	e (Y/N)	Yes												
Remarks	0														
Other Sign Type	S		Narrow	bridge, curve	, crk II	5									
0 71				0			_ocated at)							
Utility Attachme	nts														
Telephone	1ST S	AU HTUC		IDGE	 E			Gas 10 m M			NORTH				
•	AGT-2	ND ATTA	CHED-S	CURB OUT	SIDE		Municipal								
Power	Firder	ſ					iviuriicipai		Problem (Y/N) No						
									No						
									No						
Others							Problem (No						
Others							Problem ((Y/N)	_						
Others Remarks					Last	Now	Problem (ch Road Explanat	(Y/N) ion of C	ondit						
Others Remarks Horizontal Align					Last	Now 5	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align						Now	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme	nt		9.000		5	Now 5	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width	nt (m)		9.000		5	Now 5	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump	nt (m)		9.000 No		56	Now 5 5	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N)	nt (m)		1		56	Now 5 5	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N)	nt (m)		1		5 6 7	Now 5 5 6	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail	nt (m)		1		5 6 7	Now 5 5 6	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m)	nt (m) ard (Y/N	J)	1		5 6 7	Now 5 5 6	Problem (ch Road Explanat	(Y/N) ion of C	Condit	na siaht					
Others Remarks Horizontal Align Vertical Alignme Roadway Width Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Stand	nt (m) ard (Y/N	J)	1		5 6 7	Now 5 5 6	Problem (ch Road Explanat	Y/N) I ion of C the wes Hill to th	condit t limiti ne wes	na siaht					

					tructure					
Bridge Component					Explanation of Condition					
(Primary Span : PO, 3 Spans, Le	engths(n	n): 18.3-22.9-′	8.3, A-	Ident I	Number:)					
Special Features				1						
Special Feature				X						
(Туре :)										
Special Feature				X						
(Туре :)										
Wearing Surface/Deck Top Detai	I Ratings	;								
N (%) 1 (%)	2 (%)	3 (%)							
Last 0	0	0		0						
	0.0 0.0 0.0			.0						
Wearing Surface	0.0	0.0	7	7	Minor uneveness @ WB lane					
(Material Type : CONCRETE)			1							
(Thickness(mm) : 50)	N.				-					
Lateral Connection Problem (Y/N)	No									
Deck Top			N	N						
Deck Rideability			7	8						
De els Jeinste			0	0						
Deck Joints	10		8	8						
Temperature (deg. C)	12				-					
(Expansion Type : SLIDING PL	ATES)									
(Fixed Type :)					-					
Gap Size (mm)		ocation			-					
85	E ABL				-					
70	W AB	UT			-					
					_					
Deck Drainage			7	7						
Drains Clogged (Y/N)	No									
Curbs/Median			7	7						
(Curb Type : Standard)										
Scaling (Percent Area)	0									
Bridge Rail	0		7	7						
(Type : VERTICAL BAR)			1	1						
			7	7						
Bridge Rail Posts			7	7	20% SURFACE CORROSION					
(Type : POST STEEL;POST S	IEEL)		-							
Bridge Rail/Posts Coating			7 4							
(Type : PAINT)			1	1						
Sidewalk			X	X						
Girder Detail Ratings										
N (count) 1 (cc		2 (count)	3 (cou	unt)						
			· · · · · · · · · · · · · · · · · · ·							
Last 0	0	0		0	-					
Now 0	0	0		0						
Girders			5	6	VERT MED WIDTH CRACK @ POURED CONNECTION @ FASCIA OVER PIERS.					
Cracking (Y/N)	Yes				Typical shoe plate cracks @ E abut					
Spalling (Percent Area)	0									
(Number Of Girders : 12)				1						
Diaphragms/Cross Frame			7	7						

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 Temperature (deg. C) 12 Temperature (deg. C) 12 (Expansion Type : ROCKER BEARING) Coating Adequate (Y/N) Yes Primetro (Strange Component Area) Temperature (deg. C) Tempe	Superstructure
(Primary Span : PO, 3 Spans, Lengths(m): 18.3-22.9-18.3, A-Ident Number:) Bearings 7 7 7 Temperature (deg. C) 12 7 7 (Expansion Type : ROKER BEARING) (Fixed Type : PINNED BEARING) Rocker @ pier 1 Coating Adequate (Y/N) Yes 1 1 Eunctioning (Y(N) Yes 1 1 Stains (Percent Area) 1 1 1 Stains (Percent Area) 1 1 1 Yerical (Y/N) No No 1 Horizontal (Y/N) No 1 1 Yerical (Y/N) No 1 1 Horizontal (Y/N) No 1 1 Superstructure General Rating 5 6 6 Bridge Component Last Now Explanation of Condition Abutments 7 7 7 Gripe Seats/Caps 7 7 7 Gripe Component Last Now Explanation of Condition Abutment Stability X X X Paint/Coating X X <td></td>	
Temperature (deg. C) 12 Access of the second secon	
(Expansion Type : ROCKER BEARING) Image: Final State of the second s	7 7
(Fixed Type : PINNED BEARING) (Fixed Type : PINNED BEARING) Coating Adequate (Y/N) Yes Punctioning (Y/N) Yes Stains (Percent Area) 1 Jeck Underside 7 7 Stains (Percent Area) 1 Vertical (Y/N) No Image: Component Problems Vertical (Y/N) No Image: Component Problems Vertical (Y/N) No Image: Component Problems Superstructure General Rating 5 6 Bridge Component Last Now Abutments Explanation of Condition Bearing Seats/Caps 7 7 (Type : CONCRETE) Fackwalls/Breastwalls 6 7 Backwalls/Breastwalls 7 7 Piles N N N Paint/Coating X X Image: Component Problems Courierosion K X Image: Component Problems Piers/Bents 7 7 Piers/Bents Crype : DIRERSOLD) Image: Component Problems Image: Component Problems Fier Shaft/Piles 5 <td>12 Rocker @ pier 1</td>	12 Rocker @ pier 1
Coating Adequate (Y/N) Yes Image: Continue of	
Functioning (Y/N) Yes Peck Underside 7 7 Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Image: Component Problems Horizontal (Y/N) No Image: Component Problems Superstructure General Rating 5 6 Bridge Component Lats No Abutments Stats/Caps 7 7 Grype : CONCRETE) Explanation of Condition Abutment Stats/Caps 7 7 Piles N N N N N Paint/Coating X X X Abutment Stability 7 8 Scour/Erosion 6 6 6 1 1 1 Piers/Bents (Type : PIER-SOLID) To To 1 1 1 Braing Seats/Caps 7 7 7 7 1 1 1 1 1 1 1 1 1 1	RING)
Deck Underside 7 7 7 Hairline cracks (horiz, transverse). Stains (Percent Area) 1	Yes
Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Image: Stabstructure Superstructure General Rating 5 6 Bridge Component Last Now Abutments Explanation of Condition Bearing Seats/Caps 7 7 (Type : CONCRETE) Backwalls/Breastwalls 6 7 Backwalls/Breastwalls 7 7 Piles N N Paint/Coating X X Abutment Stability 7 8 Scour/Erosion 6 6 Piers/Bents (Type : PIER-SOLID) Image: Source Concrete) (Type : CONCRETE) Total Number of Bearing Piles : 0:0) Yeit Shaft/Piles Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating X X	Yes
Span Alignment Problems Vertical (Y/N) No Superstructure General Rating 5 6 Substructure Bridge Component Last Now Explanation of Condition Abutments Bearing Seats/Caps 7 7 (Type : CONCRETE) 6 7 Backwalls/Breastwalls 6 7 Vingwalls 7 7 Piles N N Paint/Coating X X Abutment Stability 7 8 Scour/Erosion 6 6 Piers/Bents	7 7 Hairline cracks (horiz, transverse).
Span Alignment Problems Vertical (Y/N) No Superstructure General Rating 5 6 Substructure Bridge Component Last Now Explanation of Condition Abutments Bearing Seats/Caps 7 7 (Type : CONCRETE) 6 7 Backwalls/Breastwalls 6 7 Vingwalls 7 7 Piles N N Paint/Coating X X Abutment Stability 7 8 Scour/Erosion 6 6 Piers/Bents	
Vertical (Y/N) No Image: Margin and Content of Conten	
Horizontal (Y/N) No Superstructure General Rating 5 6 Superstructure General Rating 5 6 Bridge Component Last Now Explanation of Condition Abutments Explanation of Condition 6 7 Bearing Seats/Caps 7 7 7 (Type : CONCRETE) 6 7 7 Backwalls/Breastwalls 6 7 7 Wingwalls 7 7 7 Piles N N N Paint/Coating X X X Abutment Stability 7 8 1 Scourt/Erosion 6 6 6 Piers/Bents 7 7 7 (Type : PIER-SOLID) T 1 1 Bearing Seats/Caps 7 7 7 (Type : CONCRETE) T 1 1 Bracing Seats/Caps 7 7 7 Total Number of Bearing Piles : 0:0) T 1 1 Fire Shatt/Piles 5 7 <	No
Superstructure General Rating 5 6 Substructure Bridge Component Last Now Explanation of Condition Abutments 7 7 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 7 7 (Type : IPIER-SOLID) T 7 Bearing Seats/Caps 7 7 (Type : CONCRETE) T Massive peir Total Number of Bearing Piles : 0:0) T Massive peir Pier Shatt/Piles 5 7 Massive peir Bracing/Struts/Sheathing X X X Nose Plate 7 7 7 Paint/Coating 4 4 Stight rust @ water level.	
Substructure Bridge Component Last Now Explanation of Condition Abutments Explanation of Condition Abutment Bearing Seats/Caps 7 7 (Type : CONCRETE) 6 7 Backwalls/Breastwalls 6 7 Vingwalls 7 7 Vingwalls 7 7 Piles N N Paint/Coating X X Abutment Stability 7 8 Scour/Erosion 6 6 Piers/Bents 7 7 (Type : PIER-SOLID) Winder of Bearing Piles : 0:0) Winder of Bearing Piles : 0:0) Winder of Bearing Piles : 0:0) Pier Shaft/Piles 5 7 Massive peir Bracing/Struts/Sheathing X X X Nose Plate 7 7 7 Paint/Coating 4 4 Sight rust @ water level.	
Bridge Component Last Now Explanation of Condition Abutments Files 7 7 Grype : CONCRETE) 6 7 7 Backwalls/Breastwalls 6 7 7 Wingwalls 7 7 7 Piles N N N Paint/Coating N N N Abutment Stability 7 7 8 Scour/Erosion 6 6 6 Piers/Bents 7 7 7 Type : CONCRETE) 7 7 7 Piers/Bents 7 7 7 Type : CONCRETE) 7 7 7 Type : CONCRETE) 7 7 7 Piers/Bents 7 7 7 Type : CONCRETE) VIDE & MEDIUM VERTICAL CRACKS @ EAST 7 Pier Shaft/Piles 5 7 7 Bracing/Struts/Sheathing 5 7 7 Nose Plate 7 7 7 Paint/Coating 4 4 <td< td=""><td></td></td<>	
AbutmentsBearing Seats/Caps77(Type : CONCRETE) \neg Backwalls/Breastwalls67Wingwalls77PilesNNPaint/CoatingXXAbutment Stability78Scour/Erosion66Piers/Bents \neg \neg (Type : PIER-SOLID) \neg \neg Bearing Seats/Caps \uparrow \neg (Type : CONCRETE) \neg \neg (Total Number of Bearing Piles : 0:0) \neg \neg Pier Shaft/Piles 5 7 Bracing/Struts/SheathingXXNose Plate 7 7 Paint/Coating44(Colour Description :) \checkmark	
Bearing Seats/Caps 7 7 (Type : CONCRETE)	Last Now Explanation of Condition
(Type : CONCRETE)Backwalls/Breastwalls67Backwalls/Breastwalls67Wingwalls77PilesNNPaint/CoatingXXAbutment Stability78Scour/Erosion66Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps77Total Number of Bearing Piles : 0:0)77Pier Shaft/Piles57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating44(Colour Description :)57	
Backwalls/Breastwalls 6 7 Wingwalls 7 7 Wingwalls 7 7 Piles N N Paint/Coating X X Abutment Stability 7 8 Scour/Erosion 6 6 Piers/Bents 7 7 (Type : PIER-SOLID) 6 6 Bearing Seats/Caps 7 7 (Type : CONCRETE) 7 7 (Total Number of Bearing Piles : 0:0) VIDE & MEDIUM VERTICAL CRACKS @ EAST Pier Shaft/Piles 5 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :) 5 7	
Vingwalls77PilesNNPaint/CoatingXXAbutment Stability78Scour/Erosion66Piers/Bents77(Type : PIER-SOLID)66Bearing Seats/Caps77(Type : CONCRETE)77(Total Number of Bearing Piles : 0:0)77Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating44Slight rust @ water level.Slight rust @ water level.	
PilesNNPaint/CoatingXXAbutment Stability78Scour/Erosion66Piers/Bents66(Type : PIER-SOLID)77Bearing Seats/Caps77(Type : CONCRETE)77(Total Number of Bearing Piles : 0:0)57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating44(Colour Description :)55	6 7
Paint/CoatingXXAbutment Stability78Scour/Erosion66Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps77Type : CONCRETE) (Total Number of Bearing Piles : 0:0) Pier Shaft/Piles77(Total Number of Bearing Piles : 0:0) Pier Shaft/Piles57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating (Colour Description :)44Slight rust @ water level.5	7 7
Abutment Stability78Abutment Stability78Scour/Erosion66Piers/Bents66(Type : PIER-SOLID)Filer-Solid)Bearing Seats/Caps77(Type : CONCRETE)77(Total Number of Bearing Piles : 0:0)57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating44(Colour Description :)55	N N
Scour/Erosion66Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps77(Type : CONCRETE) (Total Number of Bearing Piles : 0:0)77Pier Shaft/Piles57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating (Colour Description :)44	X X
Piers/Bents (Type : PIER-SOLID)77Bearing Seats/Caps77(Type : CONCRETE)77(Total Number of Bearing Piles : 0:0)57Pier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating44(Colour Description :)55	7 8
(Type : PIER-SOLID)Bearing Seats/Caps77(Type : CONCRETE)77(Total Number of Bearing Piles : 0:0)VIDE & MEDIUM VERTICAL CRACKS @ EAST Massive peirPier Shaft/Piles57Bracing/Struts/SheathingXXNose Plate77Paint/Coating (Colour Description :)44	6 6
Bearing Seats/Caps 7 7 (Type : CONCRETE) WIDE & MEDIUM VERTICAL CRACKS @ EAST (Total Number of Bearing Piles : 0:0) WIDE & MEDIUM VERTICAL CRACKS @ EAST Pier Shaft/Piles 5 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :) Slight rust @ water level.	
(Type : CONCRETE) VIDE & MEDIUM VERTICAL CRACKS @ EAST (Total Number of Bearing Piles : 0:0) WIDE & MEDIUM VERTICAL CRACKS @ EAST Pier Shaft/Piles 5 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :) Slight rust @ water level.	
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Pier Shaft/Piles 5 7 Massive peir Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :) Slight rust @ water level.	
Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :) Image: Colour Description :)	WIDE & MEDIUM VERTICAL CRACKS @ EAST
Nose Plate 7 7 Paint/Coating 4 4 (Colour Description :)	5 7 Massive peir
Paint/Coating 4 4 (Colour Description :) Image: Colour Description i and the second s	X X
(Colour Description :)	7 7
	4 4 Slight rust @ water level.
(Colour Code :)	
Pier Stability 7 7	7 7
Scour 5 5	5 5
Debris (Y/N) No	No
Substructure General Rating 5 7	5 7

			Structu	re Usage
			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; CONCR	ETE)			
Guidebank/Spurs		X	X	
Adequacy of Opening			7	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		8	6	

		Maintenance Re	commend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comme	ents		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/EROSIC	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	w) 55.6/72.	2 Sufficiency Rating (Last/ (%)	Now) 7	2.1/73.9 E	st. Repl. Yr	2038	Maint. Rec	qd. (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 A	Assistant's Name					
Next Inspection Date	22-Aug-2013		Previous I	nspection Date	04-Dec-2006				
	39								