							Bridge lı	nspec	tion						
Bridge File Num	dge File Number 01797 -1 Bridge							Form Type			SG				
Year Built/Year 1964/1964							Lot No.				2				
Supstr							Inspector Name			Owen Salava					
	Bridge or Town Name ALLIANCE							Inspector Class			BR CLS A				
Located Over			RIVER,	5, WATE	RCRS	S-ST		Assistant Name							
Located On		36:14 C	1 25.383					Assistant Class							
Water Body Cl./								Inspection Date			16-Jul-2012				
Navigabil. Cl./Ye								Data Entry By			Marcia Chavez				
Legal Land Location SE SEC 4 TWP 40 RGE 13 W4N				VI			Data Entry Date			20-Aug-2012					
Longitude, Latitude -111:48:36, 52:24:33					Reviewer Name					John O'Brien					
Road Authority Alberta Transportation (AIT)					Review Date					31-Jul-2012					
Contract Main. A	Area	CMA21						Dep	Dept. Reviewer Name						
Clear Roadway/	Skew	11 /							Dept. Review Date			21-Aug-2012			
AADT/Year		950 / 20	11 (A)						w-Up						
Road Classificat	ion	RAU-21	1.8-110						Ор	_,					
Detour Length (I	km)	15													
Allowable Load	(t): Sin		1 68 RDER		Semi		S2 76 SIRDER			Train	CS	3 87 RDER		> On Critic	al Spans
Design Loading:		HS					MOLIX			<u> </u>	10	<u> </u>		> Primary	
						Р	osting l	nform	ation						
Required Load F	Posting	(t)		Single					Semi				Truc	k Train	
Posted Loading	(t)			Single					Semi				Truck Train		
Posted:	Lane	NB		At June	ction (Y	′/N)	No		In Adv	ance (Y	/N)	No	At B	ridge (Y/N)	No
Posted:	Lane	SB		At June	ction (Y	′/N)	No		In Adv	ance (Y	/N)	No	At B	Bridge (Y/N) No	
Remarks															
Hazard Marker	At Brid	ge (Y/N)	Yes												
Remarks															
Other Sign Type	Other Sign Types														
						U	tilities (L	Locat	ed at)						
Utility Attachme	nts							1							
Telephone			15m Eas					Gas							
Power	1 wire	OH 60m	West of	c/I.				Mun	icipal						
Others								Prob	olem (\	//N) N	lo				
Remarks	Telus	suspend	ed over ri	ver usin	g poles	s, 20r									
							Approa								
						Last				on of Co					
Horizontal Align						5	5	Intersection with WB local road @ 6m South. 5% grades in both directions. No passing.					s in both		
Vertical Alignme			1			5	5								
Roadway Width			12.000												
Approach Bump			7	7											
, ,	Guardrail (Y/N) Yes														
Guardrail						5	5	┨.							
Length (m)			17.000							t length. South					
Current Stand		N)	No					, ype	VI UI	. Journ	Ji iu.				
Termination T	уре		Turn Do	own											
Drainage						N	5								
Approach Road	d Gene	eral Ratir	ıg			5	5								

					Supers	tructure
Bridge Compon	nent				<u> </u>	Explanation of Condition
(Primary Span :	RB, 3 Span	s, Lengths(m): 20.4-25.6-	20.4, A	-Ident I	Number: A0467-01)
Special Feature	es					
Special Feature					Х	
(Type:)						
Special Feature					Х	
(Type:)						
Wearing Surface	/Deck Top	Detail Rating	s			
		1 (%)	2 (%)	3 (%)		
Last	15	0	0		0	
Now	0.0	0.0	0.0	C	0.0	
Wearing Surface (Material Type : CONCRETE - CONVENTIONAL CHIF				7 IIP SEA	7 L	FRSF concrete o/l placed in 2000. Small patches, ok. 2008 deck testing report determined that there was no debonding.
(Thickness(mn	n) : 50)					
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				7	7	
Temperature (deg. C)	20				
(Expansion Ty	pe : GLAN [O (WABO-M	AUER, TRANS	SFLEX,	ETC))	
(Fixed Type :)						
Gap Size (mm))	Gap	Location			
81		A2 - I	Expansion			
82 A1 - Expansion						
			-			
Deck Drainage		<u>'</u>		N	6	
Drains Clogge	d (Y/N)	No				
Curbs/Median				N	4	3 patches have failed East curb, minor; 1 failed at W curb.
(Curb Type : S	standard)					o paterior navo tanoa Laet sans, minor, i fanoa at iv sans.
Scaling (Perce		5				
Bridge Rail				6	6	Minor damage East side. Bent verticals @ panels 12 & 15.
(Type : GALVA	ANIZED ST	FFI VERTIC	AL BAR)			Trainer damage Lact Glad. Bont Volticale & pariole 12 a 10.
Bridge Rail Posts		LLL VLIVIIC	AL DAIL	N	6	Grout pads deteriorated at several post locations, posts stable.
(Type : GALVA		ST STEEL;	SALVANIZED			Grout pade deteriorated at 5576rai post resalisme, poste stable.
Bridge Rail/Posts	s Coating			7	7	
(Type : GALVA						
Sidewalk				Х	Х	
Girder/Beam						
Cover Plate				7	7	Isolated corrosion at haunches.
Flange				7	7	
Web				7	7	
Stiffeners				X	X	-
Splice				7	7	
Weld				4	4	(3 cracked cover plate welds. See 2009 cover plate inspection report. 27Aug2009).
Diaphragms/Cro	ss Frame			7	7	Z1 // Mug2009).

			Supers	tructure
Bridge Component				Explanation of Condition
(Primary Span : RB, 3 Spans, L	engths(m): 20.4-25.6			· •
Paint Condition	1011g1110(111)1 2011 2010	5	5	Isolated top of bottom flange corrosion. Minor web peeling.
(Colour Description :)				Red/orange. Corrosion top side of bottom flange on exterior girders.
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings	INO	6	6	
Temperature (deg. C)	20	0	0	
(Expansion Type : ROCKER I				
(Fixed Type : PINNED BEAR)	·			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside	1.00	6	5	Several transverse cracks with efflorescent stain.
Stains (Percent Area)	5			develor transverse dradks with emorescent stain.
Span Alignment Problems	3			
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Ratin		4	4	
Superstructure General Natin	9			
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments			1	
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		Х	Х	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				Massive concrete.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles	: 0:0)			Two wide vertical cracks on South pier. One wide vertical crack on
Pier Shaft/Piles		6	6	North pier.
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plate paint 30% gone.
(Colour Description :)				Silver.
(Colour Code :)				
Pier Stability	Pier Stability			
Scour		N	5	Isolated scour @ SW corner, P1.
Debris (Y/N)	No			
Substructure General Rating		6	6	

Structure Usage									
				Explanation of Condition					
Channel									
(U/S Direction : W)			Curves both sides.						
(D/S Direction : E)									
Alignment		6	6						
Bank Stability		N	N						
HWM (m below Top of Curb)	WM (m below Top of Curb)			HWM not visible.					
Drift (Y/N)	No								
Slope Protection			6						
(Type: BAGGED CONC; BAG	GGED CONC)		_						
Guidebank/Spurs		Х	X						
Adequacy of Opening			8						
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

01797 -1 Bridge

			Maintenance Reco	ommend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comme	ents	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL		2012	Replace rail post grout.							
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow)	55.6/55.6 Sufficiency Rating (Last/Now) (%)			65.3/65.2 E	st. Repl. Yr	2031	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	0	
Proposed Long-Term Strategy	2005.0	3.10 con	sider chip coat when operations in area	. Deck sh	ould be good until at	least 2020. Brid	ge should	be good until 2	2045.	
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Jason		Saly	F	Previous A	Assistant's Name					
Next Inspection Date 16-Apr		-2014	F	Previous I	nspection Date					
Inspection Cycle (Default) (months)	21					09-Mar-2011				
Comment										