							B	ridge l	nspe	ction							
Bridge File Num	lumber 75664 -1 Bridge							nagen		Form Type			TH SG				
Year Built/Year		1954/1946											2				
Supstr	pstr									ector l	Name		- Brian Pientsch				
Bridge or Town Name GIROUXVILLE									· · ·	Inspector Class			BR CLS A	511			
Located Over LITTLE SMOKY RIVER, 8.10.58 WATERCRS-ST							,			Assistant Name			Russel Vand	ersch	aaf		
										Assistant Class			BR CLS B				
Located On 744:02 C1 17.058 Water Body Cl./Year										ection			07-Jan-2011				
· · · · ·									· ·	a Entry			Theresa Lac	usta			
Navigabil. Cl./Ye		N 11 A /	050		70 005	00 14/51	A			a Entry			23-Mar-2011				
Legal Land Loca						22 W5N	/I			viewer I			Arnold Asser		er		
Longitude, Latitu	Ide			3, 55:36:						iew Da			20-Mar-2011				
Road Authority				ansporta	ation (AIT	)						Name	David Morris				
Contract Main. A		CM/								ot. Revi			19-Jul-2011	011			
Clear Roadway/	Skew	6.7							· ·	ow-Up							
AADT/Year			/ 2010						-	o op	_,						
Road Classificat			J-209-	110					-								
Detour Length (		80	0.0	~~		•					-						
Allowable Load (	t): Sin	gle	CS1 2 STRI	28 NGER		Semi	CS	52 49		Train CS			3 63		> On Critical Spans >Critical Member		
Design Loading:			HS20												> Primar		
							Pc	osting l	nforn	nation							
Required Vert. C	learan	ice P	ostina	ı (m)													
Posted Vertical					Yes												
	NB		,	dge (m)		n Advan	ce	(Y/N)	Lane SB C			On Bridge (m) 5.2 In Advance (Y/N)			Yes		
Remarks						South si		( ,		120110				0			
Required Load F					Single					Semi	emi			Truc	k Train		
Posted Loading		(-)		Single						Semi				Truck Train			
Posted:	Lane		NΒ		At Junction (Y/			No		In Advance (Y/I		(Y/N)			idge (Y/N)	No	
Posted:	Lane		SB			tion (Y/N	<i>,</i>	No	In Advance			· /	No	At Bridge (Y/N)		No	
Remarks	Lano						•/	110						/ (1 2)		110	
Hazard Marker A	\t Bride	N ar	(/NI)	Yes													
Remarks		<u>jc (1</u>	/11)		ch HM's	are set		side of t	russ	width							
Other Sign Type					le area 6		out		1055	Math							
Other Olgh Type	.5			Tilli, Olic		JORITI/TI.	Ut	ilities (I	ocat	ed at)							
Utility Attachmer	nts																
Telephone									Gas	;							
Power										Municipal							
Others									Problem (Y/N) No								
Remarks																	
								Approa	ich R	oad							
						La	ast	Now			on of	Condi	ion				
Horizontal Align	ment						5	5	Cur	Curves and hills both sides.							
Vertical Alignme	nt						5	5									
Roadway Width	(m)			9.000				_									
Approach Bump						5	5	1									
Guardrail (Y/N) Yes						-											
Guardrail							3	7									
Length (m)				60.800				-1									
Current Standa	ard (Y/	N)		No													
Termination Ty						N											
Drainage							5	5									
							-										

Alberta Transportation

## Bridge Inspection & Maintenance System (Web 2005)

	Approach Road											
					Last	Now	Explanation of Condition					
Approach Road General Rating					5	5						
						Supers	tructure					
Bridge Con	nponent						Explanation of Condition					
		ins, Leng	ths(m	): 39.6-76.2-			dent Number: A0168-02;A0176-02;A0195-01;A0207-04)					
Special Fea												
Special Fea					5	5	Dywidag along bottom chord is					
(Type : <b>E</b> )	T LATER PO	ST TENS	)				corroding. (span 1 only)					
Special Fea	ture					Х						
(Type : )												
Wearing Su	rface/Deck Top	o Detail R	atings									
	N (%)	1 (%)		2 (%)	3 (%)		Partly snow covered.					
Last	5	0		0		10						
Now	10.0	0.0	)	0.0	C	0.0						
Wearing Su	rface/Deck Top	ρ			3	9						
(Material	Type : UNTRE		<b>IBER</b> )	)								
(Plank Th	ickness(mm):	75)										
(Plank Wi	dth(mm) : <b>300</b> )	1										
Deck Ridea	Deck Rideability					7						
Deck Joints					5	5						
Temperat	ure (deg. C)	-6	;									
(Expansio	n Type : <b>SLIDI</b>	ING PLAT	TES)									
(Fixed Ty	be : BUFFER A	ANGLES)										
Gap Size	(mm)		Gap L	ocation								
40			Pier 2									
Curbs/Whee	el Guards				3	7						
(Curb Typ	ype : Standard)						Majority of curbs covered by snow/ice.					
(Type : <b>C</b>	ONCRETE)											
(Curb Hei	ght(mm) : <b>200</b> )						-					
(Width(mr	n) : <b>300</b> )											
Bridge Rail					4	9	Attached to verticals and steel posts S1 only.					
(Type : GALVANIZED STEEL FLEX BEAM)						-	Double layer S1, S3, S4. Triple layer S2.					
Bridge Rail	Posts/Blocking	I			7	7						
(Type : GA STEEL)	ALVANIZED P	OST STE	EL;G	ALVANIZED	POST							
Bridge Rail/	Posts Coating				4	7	]					
(Type : <b>G</b>	ALVANIZED)											
Sidewalk					Х	X						

				Supers	structure						
Bridge Component			Last	Now	Explanation of Condition						
(Primary Span : TH, 4 Spans, Le	engths(r	n): 39.6-76.2-2	21.3-18	.3, A-lo	dent Number: A0168-02;A0176-02;A0195-01;A0207-04)						
Wide Load Damage (Y/N)	Yes				Every sway on N. truss bent.						
High Load Damage (Y/N)	Yes				(There are 262holes that need filled in verticals. Three hanger bolts nailed down or missingMay 16,2008)						
Top Chord Batter Posts Sway Bracings				6	U7L8E 250mm x 30mm nick.						
Batter Posts			6	4	See UT2008 for missing bolt details.						
Sway Bracings			6	6	(Numerous minor defects UT 2005)						
Diagonals			6	6	Est. 10-30% section loss on gussets connecting sway braces to bottom chordrepainted Oct 2010-photo						
Verticals			7	7	U1U1-S1 has 2 minor nicks. U7J7-S1 has 1 minor nick.						
Portals			4	4	Avg. 5% section loss on bottom flange of floor beamsphoto						
Connections			4	4							
Floor Beams			4	4	U1-U1-S2 has high load damage with 2 missing boltsphoto Minor nick in U11-U11-S2 portal from high load damagephoto						
Bottom Chord			5	5	Loss of section up to 3mm deep on exterior stringer webs and lower						
(No. of Stringers : <b>132;88</b> )					flanges, especially near floor beams.						
Stringer Detail Ratings											
N (count) 1 (co	ount)	2 (count)	3 (cou	unt)							
Last	,			,	1						
Now											
Stringers			4	4							
(Type : <b>STEEL</b> )											
(Width(mm) : <b>150</b> )											
(Depth(mm) : <b>250</b> )											
(Spacing(mm) : <b>670</b> )											
Paint Condition			3	3	Rust on bottom flanges of floor system and splash zones.						
(Colour Description : <b>BLUE</b> )			-		- peeling throughout extensive salt						
(Colour Code : 15182;502-105	)				staining.						
Touchup Required (Y/N)	Yes				1						
Bearings				N	L12 Brg's A7 pier 2 have partial bite At large nutMay 16, 2008						
Temperature (deg. C)	-6		7								
(Expansion Type : <b>REINFORC</b>	-	BEARING)			Snow covered.						
(Fixed Type : SLIDING PLATE		DEANING)			-						
Functioning (Y/N)	Yes				-						
Sub Deck/Deck Underside	103		4	7							
(Material Type : TREATED TIN	IBED)		4	1							
(Plank Thickness(mm) : <b>100</b> )					-						
(Plank Width(mm) : <b>300</b> )					-						
Defects (Percent Area)	0				-						
Span Alignment Problems	U										
Vertical (Y/N)	No										
Horizontal (Y/N)	No				-						
Superstructure General Rating			4	4							
				Supers	structure						
Bridge Component			Last		Explanation of Condition						
(Secondary Span : <b>RB</b> )											
Special Features											
Special Feature				Х							
(Type : )											
Special Feature				Х							
(Type : )											

Bridge Component   (Secondary Span : RB)   Wearing Surface/Deck Top Detail Ratings	Last	Now	Explanation of Condition						
Wearing Surface/Deck Top Detail Ratings									
N (%) 1 (%) 2 (%)									
Last 5 0 0		5							
Now 10.0 0.0 0.0	0	).0							
Wearing Surface	3	9							
(Material Type : UNTREATED TIMBER)									
(Thickness(mm) : <b>75</b> )									
Deck Top	X	Х							
Deck Rideability	7	7							
Deck Joints	5	5							
Temperature (deg. C) -6			-						
(Expansion Type : SLIDING PLATES)			_						
(Fixed Type : BUFFER ANGLES)			-						
Gap Size (mm) Gap Location									
40 P2			_						
			_						
			_						
			_						
			_						
Deck Drainage	Х	X	No deck drains						
Drains Clogged (Y/N) No									
Curbs/Median	4	7	Timberwheel guards.						
(Curb Type : Standard)									
Scaling (Percent Area) 0									
Bridge Rail	4	9	Double layer.						
(Type : GALVANIZED STEEL FLEX BEAM)			Posts painted-paint peeling with some rust.						
Bridge Rail Posts	5	7	· · · · · · · · · · · · · · · · · · ·						
(Type : GALVANIZED POST STEEL;GALVANIZED STEEL)	POST								
Bridge Rail/Posts Coating	3	4							
(Type : <b>GALVANIZED</b> )									
Sidewalk	X	X							
Girder/Beam									
Cover Plate	X	Х	-						
Flange	6	6	-						
Web	7	7	-						
Stiffeners	X	X	-						
Splice	X	X	-						
Weld	Х	X							
Diaphragms/Cross Frame	5	5	Some diaphragms misaligned - OK.						
Paint Condition	3	3	Bottom girder flanges rustingphoto						
(Colour Description : <b>BLUE</b> )									
(Colour Code : <b>15182</b> )			_						
Touchup Required (Y/N) Yes									

	Superstructure									
Bridge Com	oonent			Last	Now	Explanation of Condition				
(Secondary S	Span : <b>RB</b> )									
Bearings				5	N	Snow covered.				
Temperatu	re (deg. C)	-6								
(Expansion Type : REINFORCED PAD BEARING)										
	e : SLIDING P		, , , , , , , , , , , , , , , , , , , ,							
	equate (Y/N)	No								
Functioning		Yes								
Deck Unders				5	7					
Stains (Per		2								
1	ent Problem									
Vertical (Y/		No								
Horizontal (		No								
				5	5					
Superstruct	ure General R	aung		5	5					
					Subst	ructure				
Bridge Com	oonent			Last	Now	Explanation of Condition				
Abutments										
(Extended I	Backwall Piles	s (Y/N) : <b>N</b> )								
(Extended I	Backwall Piles	Spacing(mm)	:)							
(Total Numbe	er of Caps/Cor	bels : <b>1:1</b> )								
Bearing Seat	s/Caps/Corbel	ls Detail Ratin	gs							
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last				`	,					
Now										
Bearing Seat	s/Caps/Corbe	ls	1	7	7					
(Type : <b>CO</b>	· · · · · · · · · · · · · · · · · · ·									
(Depth(mm										
(Width(mm)										
Backwalls/Br				7	7					
Greatest He		1.70								
Wingwalls		1.70		7	7					
WingWallo					· ·					
(Total Numbe	er of Bearing F	Piles : <b>0:0</b> )								
Piles Detail R	atings									
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last	100	0	0		0					
Now	100	0	0		0					
Piles				N	N					
Paint/Coating	]			X	Х					
Abutment Sta	ability			7	7					
Scour/Erosio	n			7	7					
Piers/Bents										
(Type : PIE						Pier 3 is H- piles with steel plate sheathing, and steel caps and				
	r of Caps/Cor	bols · 1·1·0)				corbels.				
	· · · · · · · · · · · · · · · · · · ·	Is Detail Rating				•				
bearing Seat	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last		1				Extensive salt staining and delan cracks.				
	0	0	0		0	LATENSIVE Sait Staining and delan Glachs.				
Now					4	-				
	s/Caps/Corbe	IS		4	4	-				
(Type : <b>CO</b>	NCRETE)									

						0						
Duidas Osaa					1		ructure					
Bridge Comp					Last	Now	Explanation of Condition					
(Total Number		Plies : (	J:U:U)				-					
Plies Detail R	N (count) 1 (count) 2 (count)						- Duct de la la name de la companya de					
	· · · · · · · · · · · · · · · · · · ·	1 (CO		<i>`</i>	3 (co		Rust staining near caps. Extensive salt staining. Delam cracks.					
Last	100		0	0		0	2 small spalls exposing rebar and steel pile @ base of P1-photo-21-					
Now	Pier Shaft/Piles					0	Jan-2010 Snow covered					
					4	4	Wide vertical crack full height of P1 on S sidephoto					
Greatest He	eight (m)		8.50				1000mmx300mm spall @ P2 w exposed rebar South sidephoto					
Draging/Strut	o/Choothing				7	7						
Bracing/Struts	s/Sneathing											
Nose Plate					7	7						
Paint/Coating					4	4	Rust & pitting on nose plates and P3.					
(Colour Des	scription : <b>BL</b>	UE)					_					
(Colour Cod	de : <b>15182</b> )					_						
Pier Stability					7	7						
Scour					5	5						
Debris (Y/N)			No			_						
						_						
Substructure	e General Ra	ating			4	4						
						Structu	re Usage					
					Last		Explanation of Condition					
Channel					Last							
(U/S Direction	ריי <b>ד</b> )											
(D/S Direction							-					
Alignment	,				7	7	-					
Angrimerit						( <sup>'</sup>						
Bank Stability	1				6	6						
HWM (m belo	w Top of Cu	rb)	2.2				(HWM 950608)					
Drift (Y/N)			Yes									
Slope Protect	tion				7	7	Concrete on S. headslope only.					
(Type : <b>CO</b>	NCRETE)											
Guidebank/S	purs				X	X						
	<u> </u>					-						
Adequacy of	Opening				8	8						
(Fish Comper	nsation Meas	sure 1 ·										
(Fish Comper			· · · · · ·									
Channel Ger					6	6						
						Ŭ						

					Maintenance F	Recommend	lations							
Inspector Recom		Year	Inspector	r Comments		Department Com	ments	Т	arget Year	Est. Cost	Cat #			
REPAIR/REPLAC	E BRIDGE RAIL													
GALVANIZE/PAINT BRIDGE RAIL														
RETROFIT BRIDGE RAIL														
SEAL CURBS														
PATCH DECK														
SEAL DECK														
OVERLAY DECK														
REPAIR/REPLAC	E DECK JOINTS													
<b>RESET/ PAINT B</b>	EARINGS		2011	Weld nut	to pins on both ends.									
REPAINT SUPER	STRUCTURE		2011											
STRAIGHTEN/RE	PLACE MEMBERS	:	2011	fill 184 op 3/4" bolts	oen holes with 7/8" bolts a s, install 3 hanger bolts.	nd 78 with								
WASHING														
SHOTCRETE RE	PAIRS													
REPAIR ABUTME	ENT SCOUR/EROSI	NC												
PLACE ADDITIO	NAL RIP RAP													
REMOVE DRIFT	ACCUMULATION													
OTHER ACTION														
OTHER ACTION			2011	Fill appro	ach potholes with ACP(i	f not done)								
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			44.4/44.4		Sufficiency Rating (Last/N (%)		41.9/42.9	Est. Repl. Yr 2		2022 Maint. Re		Įd. (Y/N)	Yes	
Special Comments for Next Inspection	Monitor corrosion of in portals and wide Monitor spalling at p	load dan	s on flooi nage on	rbeams an U7L8E.	nd stringers. Monitor highl	oad damage	Department Comments							
Maintenance Rev	iewed By						Date					Estimated Total 0		
Proposed Long-T	erm Strategy													
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Shan		Shane I	Hall			Previous	Previous Assistant's Name							
Next Inspection D	ate	07-Apr-	2014			Previous	Previous Inspection Date 21-Jan-2010							
Inspection Cycle		39												
Comment														