Bridge Inspection																
Bridge File Number 73319 -1 Bridge					Form Type			PSR								
Year Built/Year 1971/197										Lot No.		2				
Supstr						Inspe	ctor N	Name		Shane Hall						
Bridge or Town Name EDSON						Inspe	Inspector Class		BR CLS A							
Located Over LAMBERT CREEK, 8.11.107.33 WATERCRS-ST			3.9,		Assis	Assistant Name										
Located On 47:06 C1 27.244						Assis	tant C	Class								
Water Body Cl./Year					Inspe	ection	Date		15-Oct-2012							
Navigabil. Cl./Year									Data Entry By			Theresa Lacusta				
			SEC 1	C 1 TWP 51 RGE 20 W5M					Data	Data Entry Date			21-Nov-2012			
			3:49:01	:49:01, 53:22:16					Reviewer Name			Eric Carcoux				
								Revie	Review Date 12			12-Nov-2012	2			
Contract Main. A	\rea	CMA	413						·		ewer N		Brent Herric	k		
Clear Roadway/	Skew	10.1	/								ew Da	te	22-Nov-2012	2		
AADT/Year		1,02	20 / 20	11 (A)					Follo	w-Up	Ву					
Road Classificat	ion	RAL	J-210-	110												
Detour Length (I	km)	73														
Allowable Load	(t): Sin	igle				Semi	i				Train				> On Critical Spans	
Design Loading:			HS20	.										>Critical Member> Primary Span		
Doolgii Loddiig			11020				Po	osting Ir	nforma	ation					>1 minary V	эран
Required Load F	Posting	(t)			Single					Semi				Truck Train		
Posted Loading	(t)				Single				S	Semi				Truc	uck Train	
Posted:	Lane	N	NB		At Junc	tion (Y	//N)	No	li	n Adva	ance (Y/N)	No	At Bridge (Y/N) No		No
Posted:	Lane	5	SB		At Junc			No	In Advance (Y/N)		No	At Bridge (Y/N) No		No		
Remarks No allowable load posted.																
Hazard Marker	At Brid	ge (Y	/N)	No												
			Not requ	required.												
Other Sign Type	s			Informa	tion, "La	mbert	Creel	k"								
	Sign missing at NW cornerphoto Utilities (Located at)															
Litility Attachmo	oto						Ut	ilities (L	Locate	u at)						
Utility Attachments Telephone East r/w, 30m North.							Gas									
Telephone Power				vires We	et r/w				Muni	rinal						
Others	3 WIIC	,5 La	31, J W	viies vve	3t 1/ W.					em (Y	//NI)	No				
Remarks									1. 1001	3.11 (1	. (,)					
								Approa	ich Ro	ad						
							Last Now Explanation of Condition									
Horizontal Align	ment						6	6	Cam	Campground access NE. No passing EB.						
Vertical Alignment						7	7									
Roadway Width (m)			9.700			_	Wide	Wide transverse crack @ South approach - photo.								
Approach Bump					6	6										
Guardrail (Y/N) Yes							Not tl	hrie be	eam							
Guardrail						5	5									
Length (m) 2			23.800													
Current Standard (Y/N) No			No													
Termination T	Termination Type Turned Down															
Drainage							7	7								
Approach Road General Rating				6	6											

	Superstructure								
Bridge Component					Last	Now	Explanation of Condition		
(Primary Spa	an : PM, 2 Spa	ns, Ler	ngths(r	n): 15.2-9.1,	A-Ident	Numb	er:)		
Special Feat									
Special Feature						X			
(Type:)									
Special Feature						X			
(Type:)									
Wearing Sur	face/Deck Top	1	Ratings						
	N (%)	1 (%)		2 (%)	3 (%)				
Last Now									
					6	5	Chipseal over conc. overlay.		
Wearing Surface (Material Type : CONCRETE - CONVENTIONAL CH COAT)							Chipseal wearing at joints.		
(Thickness	s(mm) : 50)								
Lateral Conn (Y/N)	nection Problen	1 n	No						
Deck Top					N	N			
Deck Rideab	pility				7	7			
Deck Joints					7	7			
Temperature (deg. C) 11									
(Expansion	n Type : GLAN	D (WAI	BO-MA	UER, TRAN	SFLEX,	ETC))			
(Fixed Typ	e : GLAND (W	ABO-N	IAUER	, TRANSFLE	X, ETC))			
Gap Size (mm) Gap Location									
78	S. Ab	ut. (A1)							
80			Pier	(P1)					
75			N. Ab	ut. (A2)					
							_		
Deck Draina	ge				5	5			
Drains Clo	gged (Y/N)	1	No						
Curbs/Median						5	Delam @ NW corner. Rust staining on outside face of East & West		
(Curb Type	e : Standard)						curbs due to low cover.		
Scaling (Pe	ercent Area)	(0						
Bridge Rail					5	5	Double layer.		
(Type : GA	LVANIZED ST	EEL F	LEX B	EAM)			Minor collision damage to W-beam @ NE corner-still functional.		
Bridge Rail F	Posts				7	7	Dirty.		
(Type : GA STEEL)	LVANIZED PO	OST ST	EEL;G	ALVANIZED	POST				
,	Posts Coating				6	6			
	LVANIZED)				- 0				
Sidewalk	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				X	X			
Jidowalik									
Girder Detail	Ratings								
	N (count)	1 (cou	ınt)	2 (count)	3 (cou	ınt)			
Last	0	(0	0		1			
Now						2			
Girders					3	3	S2G12, wide soffit cracks and spall due to retrofit drain installation - photo.		
Cracking (,	Yes				_ ' -		
	Percent Area)		1				S2G2-medium delam crack 400mm long @ S end. Rust staining at S end of crack appears from low coverphoto		
(Number Of Girders : 24)							O cha of Grack appears from low coverprioto		

Bridge Component			
Diaphragms/Cross Frame Bearings Temperature (deg. C) (Expansion Type :) (Fixed Type : NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Functioning (Y/N) Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) Superstructure General Rating Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Ningwalls Piles Root (11) Abutments Root (12) Root (13) Superstructure (13) Superstructure (14) Superstructure (15) Superstructure (1	X 6 8 Staining between girders at curbs. Rust stains on bottom of curb		
Bearings 6 6 Temperature (deg. C) 11 (Expansion Type :) (Fixed Type : NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Yes Functioning (Y/N) Yes Deck Underside 3 3 Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 3 3 Sul Bridge Component Last No Abutments Bearing Seats/Caps 6 6 (Type : CONCRETE) Backwalls/Breastwalls N 1 Wingwalls 5 8	Staining between girders at curbs. Rust stains on bottom of curb		
Temperature (deg. C) (Expansion Type :) (Fixed Type : NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Functioning (Y/N) Pes Functioning (Y/N) Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) No Superstructure General Rating Sul Bridge Component Last No Abutments Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Ni Wingwalls Piles	Staining between girders at curbs. Rust stains on bottom of curb		
Temperature (deg. C) 11 (Expansion Type :) (Fixed Type : NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Yes Functioning (Y/N) Yes Deck Underside 3 3 Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 3 3 Sul Bridge Component Last No Abutments Bearing Seats/Caps 6 6 (Type : CONCRETE) Backwalls/Breastwalls N N Wingwalls 5 8 Piles	Staining between girders at curbs. Rust stains on bottom of curb		
(Expansion Type:) (Fixed Type: NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Yes Functioning (Y/N) Yes Deck Underside 3 3 Stains (Percent Area) 1 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 3 3 Bridge Component Last No Abutments Bearing Seats/Caps 6 6 (Type: CONCRETE) Backwalls/Breastwalls N 1 Wingwalls 5 8	Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.		
(Fixed Type : NEOPRENE STRIP BEARING) Coating Adequate (Y/N) Functioning (Y/N) Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) Superstructure General Rating Stains Stains Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Ningwalls Piles	Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.		
Coating Adequate (Y/N) Functioning (Y/N) Pes Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) No Superstructure General Rating Sul Bridge Component Abutments Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Ningwalls Piles Ningwalls	3 Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.		
Functioning (Y/N) Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) Superstructure General Rating Bridge Component Abutments Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Nimgwalls Piles Nimgwalls Superstructure General Rating Superstructu	3 Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.		
Deck Underside	3 Staining between girders at curbs. Rust stains on bottom of curb girders - previous to concrete overlay. S2G12 delam spall at drain.		
Stains (Percent Area) 1	girders - previous to concrete overlay. S2G12 delam spall at drain.		
Span Alignment Problems Vertical (Y/N)			
Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 3 Sul Bridge Component Last No Abutments 6 Bearing Seats/Caps 6 6 (Type : CONCRETE) Backwalls/Breastwalls N N Wingwalls 5 8 Piles N N			
Horizontal (Y/N) No Superstructure General Rating 3 3 3 3 3 3 3 3 3			
Superstructure General Rating 3 State			
Still			
Bridge Component Last No Abutments Bearing Seats/Caps 6 6 (Type : CONCRETE) Backwalls/Breastwalls N N Wingwalls 5 8 Piles N N	3		
Abutments 6 Bearing Seats/Caps 6 (Type : CONCRETE) 8 Backwalls/Breastwalls N Wingwalls 5 Piles N	ıbstructure		
Bearing Seats/Caps 6 6 6 6 6 6 6 6 6	ow Explanation of Condition		
(Type : CONCRETE) Backwalls/Breastwalls N Wingwalls 5 Piles N			
Backwalls/Breastwalls N Wingwalls 5 Piles N N	6		
Wingwalls 5 5 Piles N N			
Piles N N	N		
	5		
Paint/Coating 5	N N		
	5		
Abutment Stability 7	7		
Scour/Erosion 6	6		
Piers/Bents			
(Type : PIER-COLUMN)	Previous patch at north end east side of pier 1 has wide cracks and		
Bearing Seats/Caps 4	delaminated approx 2m long - photo.		
(Type : CONCRETE)			
(Total Number of Bearing Piles : 5)			
	7		
Bracing/Struts/Sheathing 7	7		
Nose Plate 7	7		
Paint/Coating 4	Pier piles & bracing scraped from abrasion, peeling lower 1.2m -		
(Colour Description : GREEN)	exposing primer.		
(Colour Code : 14090)			
Pier Stability 7	7		
Scour 5			
Debris (Y/N) No	5		
Substructure General Rating 4	5		

Structure Usage								
			Now	Explanation of Condition				
Channel								
(U/S Direction : W)			Meanders U/S.					
(D/S Direction : E)			_					
Alignment		6	6					
Bank Stability		6	6					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	Yes							
Slope Protection		7	7	Riprap under drains, 1m only.				
(Type: NATURAL; NATURAL)							
Guidebank/Spurs		X	X					
Adequacy of Opening			7					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

73319 -1 Bridge

		Maintenance R	ecommenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Con	nments		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	2013	Seal wide crack in South approach	ACP.						
OTHER ACTION	2013	Replace Information sign.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	38.9/38	.9 Sufficiency Rating (Laste (%)	/Now) 5	4.7/54.6	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	Yes
Special Monitor cracking in SP3 Comments for Next Inspection	G13 around	d drain and at S2G2.		Department Comments			·		
Maintenance Reviewed By				Date		E	stimated Total	0	
Proposed Long-Term Strategy				'					
On 3-Year Program (Y/N)									

Alberta Transportation

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73319 -1 Bridge

Proposed Action			
Previous Inspector's Name	Eric Carcoux	Previous Assistant's Name	
Next Inspection Date	15-Jul-2014	Previous Inspection Date	09-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			