Year Built/Year Supstr Bridge or Town N Located Over Located On	ber		Bridge														
Year Built/Year Supstr Bridge or Town N Located Over Located On			Bridge File Number 71116 -1 Bridge					Form Type			SG			SG			
Bridge or Town N Located Over Located On		Year Built/Year 1930/1978						Lot No.			2						
Located Over	· · · · · · · · · · · · · · · · · · ·							Inspector Name			Jason Saly						
Located On	Bridge or Town Name DUVERNAY							Inspector Class			BR CLS A						
	Located Over NORTH SASKATCHEWAN RIV				N RIVER	, 6,		Assistant Name									
		29:08 C1						Assistant Class									
Water Body CI./Y		20.00 01	1.000			Inspection Da			Date		10-Jan-2013						
Navigabil. Cl./Yea								Data Er	Data Entry By Marcia Chavez								
Legal Land Location SW SEC 35 TWP 55 RGE 12 W					12 \//4M			Data Er	Data Entry Date 12-Feb-2013								
Longitude, Latitude -111:41:17, 53:47:23					12 00 4101			Review	Reviewer Name John O'Brien								
Road Authority		Alberta T			Г)	Review Date					19-Jan-2013						
Contract Main. A		CMA14	ransporte		• )			Dept. R	evie	ewer N	ame	Darron Ahls	tedt				
Clear Roadway/S		9.8 /						Dept. R	evie	w Dat	е	13-Feb-201	3				
AADT/Year		1,300 / 20	11 (Λ)					Follow-	Up E	Зу							
Road Classificati		RAU-209						-									
Detour Length (k		50	-110					-									
Allowable Load (t			28		Semi	CS2	0 / 0			Train	0	3 62		> On Criti	cal Spans		
			20		Semi	0.02	2 4 9			ITall1		>On Ci >Critica		>Critical N	I Member		
Design Loading:		HS2	5											> Primary	Span		
				1		Pos	ting In	nformation	on				1				
Required Load P	osting	(t)		Single				Ser	mi				Truck Train				
Posted Loading (	t)			Single				Ser	mi				Truck Train				
Posted:	Lane	NB		At Junc	tion (Y/N	) N	lo	In Advance (Y/N) No At Brid		ridge (Y/N)	No						
Posted:	Lane	SB		At Junc	tion (Y/N	) N	lo	In Advance (Y/N) No At Bridge (Y/N		ridge (Y/N)	No						
Remarks	Postin	g not requ	uired.														
Hazard Marker A	t Bridg	e (Y/N)	No														
Remarks																	
Other Sign Types	5		Informa	tion, "No	orth Saska	atche	ewan R	River", 80	) kpł	h.							
						Utili	ities (L	ocated	at)								
Utility Attachmen	ts																
Telephone	Throu	gh West c	urb.					Gas									
Power	3 wires	s OH acro	ss road	15m Nor	th.			Municipal									
Others	Same	power cro	osses rive	er at 100	m West o	of c/l.		Problen	n (Y	/N)	lo						
Remarks																	
						A	pproa	ch Road									
					La	st	Now	Explana	atio	n of C	ondi	tion					
Horizontal Alignm	nent					7	7	Local ro	bad a	access	ses to	NE & SW. E	Bridge	located within	n max 80 kph		
Vertical Alignmer	nt		1			6	6	zone. Sag curve, no passing. Limited sight distance South.									
Roadway Width (	(m)		9.300								led. S	Slight bump	@ botl	n abut joints o	due to chipsea		
Approach Bump			1			5	6	wearing	j sur	nace.							
Guardrail (Y/N)			Yes														
Guardrail				6	6												
Length (m) 11.000						Insuffici	ient	posts	next t	o bridge and	insuf	ficient length.					
Current Standa	rd (Y/	N)	No					AL SVV (	Juiy	, ∠3M	w INE	E, 60m @ SE		v.			
Termination Type Turned Down																	
Drainage						3	3	South undermined 300mm abutment (photo). (Hole in SW approach/curb interface - photo. 02Dec2009). Snow/ice covered. Rating carried forward.				SW e covered.					
Approach Road	Gene	ral Rating	3			6	6										

Alberta Transportation

					Supers	structure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
(Primary Spa	an : <b>WG, 5 Spa</b>	ans, Lengths	(m): 76.5-77.1	-77.1-7	6.5-12.	2, A-Ident Number: A0804-01;A0804-02)					
Special Feat	tures										
Special Feat	ure			4	4	Bird droppings covered various locations of dewidags. Dywidag @					
(Type : <b>EX</b>	T LONGIT PO	ST TENS)				S2 & S3. Rubber gasket shifted off support bracket, P/T bar resting					
Special Feat		,			3	on bracket, S3. Opposite side gasket is split. CATWALK. Catwalk not locked both ends, lots of graffiti full length					
(Type:)					-	along catwalk. P1 & P3 only inside of G2 & G3 visible from catwalk.					
(1996.)						Missing bottom cable in East side at North end, 2 sections of catwalk. Catwalk r=3 due to missing cable.					
Wearing Sur	face/Deck Top	Detail Rating	s								
	N (%)			3 (%)							
Last	20	0	0		0	Snow/ice covered.					
Now	30.0	0.0	0.0		).0	Snow/ice covered.					
Wearing Sur		0.0	0.0	7	6	Minor loss of seal coat along S abut jnt.					
	ype : CONCRI	ETE - CONVE	NTIONAL CH		-	Chip seal coat on epoxy on HDOL; 2012 Lvl 2 deck inspection noted 19m2 of debonded epoxy.					
(Thickness	(mm) : <b>50</b> )										
Deck Top				N	N						
Deck Rideab	oility			7	7						
Deck Joints				4	4	(Joint drain trough above P4 overtops. 2006/05/23).					
Temperatu	re (deg. C)	-17				Fingers rehabed.					
•	n Type : <b>FINGE</b>					Missing finget at S jnt. NE abut cover plate broken out.					
				X FTC	<b>)</b> )	N abut chipsealed over.					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX) Gap Size (mm) Gap Location					//	New heavy wall plastic trough installed at A1, but deflector plates d not align with plastic trough.					
0 North abut											
146						-					
						_					
160		Sout	n abut								
						-					
						-					
Deck Draina	ae			7	4	Covered by snow/ice.					
Drains Clo	•	No				Leakage along N backwall. Dripsheet at S does not overlap breastwall drain trough.					
Curbs/Media	n			N N		(Flared approach curb @ NE recast with poor quality concrete, minor					
	e : Standard)					scaling. Hole in SW approach curb. 02Dec2009). Snow/ice covered.					
	ercent Area)	1				-					
Bridge Rail				7	7	(Grout pads patched. 02Dec2009). Snow covered.					
	LVANIZED ST			-							
Bridge Rail F				7	4	29th & 30th pst from S along W curb damaged from wide load.					
(Type : GA	LVANIZED PO	OST STEEL;	GALVANIZED		4						
STEEL) Bridge Rail/Posts Coating					7						
(Type : <b>GA</b>	LVANIZED)										
Sidewalk				X	X						
Girder/Bean	n										
Cover Plate	e			Х	Х						
Flange			7	7							
Web				7	7						
Stiffeners				7	7						
Splice				7	7	1					
Weld				7	7	1					
				1	-						

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Last		tructure Explanation of Condition				
-77.1-7	6.5-12.2	2, A-Ident Number: A0804-01;A0804-02)				
7	7					
6	6	Weathering steel, isolated scaling.				
4	4	A2 W bearing misaligned 20mm.				
		(Expansion bearings near full expansion @ 20°C. 17/July/2008). (P4 has 14mm expansion left.				
		A1, P3 has 40mm expansion left.				
		P1 has 10mm expansion left. 08Dec2010).				
7	7	Some transverse cracks with efflorescence.				
		Hairline longit. crack over catwalk.				
		All bearings in near full exp position, may mean abuts moving inward & rotating				
4	4					
	Subst	ructure				
Last	Now	Explanation of Condition				
7	7					
7	7					
7	7					
N	N	Buried.				
4	5	Graffiti.				
5	5					
4	4	S abut fill settled - no action required.				
7	7					
		Buried.				
5	5	Scaling on d/s end of P4. P1 also has some vertical cracks; finish not complete where construction bracing was located.				
Х	Х					
7	7					
4	4	10% failed - no action required.				
8	8					
N	N	(Water too dark to see scour. 15Aug2009). Iced over.				
	<ul> <li>6</li> <li>6</li> <li>4</li> <li>7</li> <li>4</li> <li>5</li> <li>4</li> <li>4</li> <li>5</li> <li>4</li> <li>5</li> <li>4</li> <li>5</li> <li>4</li> <li>5</li> <li>4</li> <li>4</li> <li>4</li> <li>5</li> <li>4&lt;</li></ul>	6       6         6       6         6       6         4       4         7       7         7       7         4       4         7       7         8       8				

Substructure									
Bridge Component		Last Now		Explanation of Condition					
Debris (Y/N)	No								
Substructure General Rating			5						
		S	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : W)									
(D/S Direction : E)									
Alignment			8						
Bank Stability			8						
HWM (m below Top of Curb)	7.0			(Based on previous inspection date noted).					
Drift (Y/N)	Yes								
Slope Protection		7	7	Minor erosion gullies, no problem.					
(Type : NATURAL; NATURA	L)								
Guidebank/Spurs		X	X						
Adequacy of Opening			8						
(Fish Compensation Measure 1	: NONE)								
(Fish Compensation Measure 2	2 : NONE)								
Channel General Rating		7	7						

		Maintenance Recommend	dations				
Inspector Recommendations	Year	Inspector Comments	Department Comments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL							
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							1
WASHING	2013	Also wash girder P/T dywidags in S2 & S3 of bird droppings.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Secure catwalk area with locks.					
OTHER ACTION	2013	Extend SW appro. guardrail length. Consider upgrading all corners to meet std.					
OTHER ACTION	2013	Install rubber to jnt plumbing to ensure drainage into trough at A1.					
OTHER ACTION	2013	Replace & reset rubber gasket/bushing @ girder P/T supports.					
OTHER ACTION	2013	Install bottom cable in East side of catwalk at North end 2 sections.					
OTHER ACTION	2013	Fill hole @ SW approach/curb interface, if not yet done.					
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) (%)	50.0/50	.0 Sufficiency Rating (Last/Now) (%)	58.4/58.4 Est. Re	pl. Yr 2049	Maint. Re	qd. (Y/N)	Yes

Alberta Transportation		Bridge Inspection & Maintenance System (Web 2		71116 -1 Bridge						
Special Comments for Next Inspection	Continue to monitor major rehab.	r bearings; no action at this time, but consider resetting	at next	Department Comments						
Maintenance Revi	iewed By			Date		Estimated Total	0			
Proposed Long-Term Strategy		Monitor scour at pier. may need protection. RS N. Sask River Transportation corridor study on file. Updated Strategy.								
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspecto	r's Name	Dave Lam	Previous		e					
Next Inspection Date		10-Oct-2014	Previous Inspection Date		08-Dec-2010					
Inspection Cycle (Default) (months)		21								
Comment										