Bridge File Num	her	13473 -1	Bridge			В	ridge Ir				SG					
Year Built/Year	ibel	r 13473 -1 Bridge 1987/1987						Form Type Lot No.			2					
Supstr									ector Name	Arnold Assenheimer						
Bridge or Town	or Town Name LUNNFORD							Inspector Class			BR CLS A					
Located Over PEMBINA RIVER, 8.11.84, WA						TERCRS-ST			istant Name	Wade Nanninga						
Located On 654:04 C1 5.188								Assistant Class			BR CLS B					
Water Body CI./	Year											1				
Navigabil. Cl./Ye	ear							- Inspection Date - Data Entry By			19-Aug-2011 Theresa Lacusta					
Legal Land Loca	ation	SW SEC	1 TWP 5	59 RGE	3 W5M			Data Entry Dy			27-Sep-2011					
Longitude, Latitude -114:19:15, 54:03:54								Reviewer Name			Eric Carcoux					
Road Authority Alberta Transportation (AIT)									iew Date	21-Sep-2011						
Contract Main. A	Area	CMA10						Dept. Reviewer Name			Brent Herric					
Clear Roadway/	/Skew	9 / 20 de	g. (RHF)					· ·	t. Review D		28-Sep-201					
AADT/Year		470 / 202	I0 (A)					· ·	ow-Up By	ale	20-060-201	1				
Road Classificat	tion	RCU-209	9-110						ом-ор Бу							
Detour Length (km)	13														
Allowable Load	(t): Sin	gle CS1	28		Semi	CS	2 49		Trair	n CS	3 62		> On Critical Spans			
Desir l													>Critical N			
Design Loading:		MS	300			Do	sting Ir	-f - 110	action				> Primary	Span		
Required Load F	Postina	(t)		Single		P0	sting in		Semi			Truc	k Train			
Posted Loading		(9		Single					Semi			Truck Train Truck Train		-		
Posted:	Lane	EB			ction (Y/	(NI)	No		In Advance	(¥/NI)	No	At Bridge (Y/N)		No		
Posted:	Lane						No				No			No		
Remarks		ane WB At Junction (` ot required.					No In Advance (Y/N) No				INO	At Bridge (Y/N) No				
			Yes													
Hazard Marker / Remarks	Αι Βπαί			orroot la	ootion	on approach rail posts. At varying heights.										
			NOT at C	conectic	bcation	on ap	proach	raii p	osis. Al vary	/ing ne	ignis.					
Other Sign Type	25					1 141	lities (L	0001	end at)							
Utility Attachme	nts T	ELEPHO		TIES-PH			nues (I	_OCal	eu alj							
Telephone	South							Gas								
Power		South r/v	v						nicipal							
Others	T WIIC	00001174	v.					Problem (Y/N) No								
Remarks								110								
Remains							Approa	ch R	oad							
					I	Last Now Explanation of Condition										
Horizontal Align	ment					5	5	· · · ·				mmed	liately at SW	corner.		
Vertical Alignme						8	8									
J																
Roadway Width	(m)		9.200													
			9.200			7	7									
Approach Bump			9.200 Yes			7	7	Not	to proper he	eight (to	oo low), insufi	icient	length - phot	o. Typical at		
						7	7	Not all c	to proper he orners. Miss	eight (to	oo low), insuff lice bolts @ S	icient SE & N	length - phot IW (end cap)	o. Typical at - photos.		
Approach Bump Guardrail (Y/N) Guardrail							1	all c	to proper he orners. Miss twisted.	eight (to	oo low), insufi lice bolts @ S	icient SE & N	length - phot IW (end cap)	o. Typical at - photos.		
Approach Bump Guardrail (Y/N) Guardrail Length (m))	N)	Yes 10.000				1	all c	orners. Miss	eight (to sing sp	po low), insuff lice bolts @ S	icient SE & N	length - phot IW (end cap)	o. Typical at - photos.		
Guardrail Length (m) Current Stand	ard (Y/I	N)	Yes 10.000 No	Down			1	all c	orners. Miss	eight (to sing sp	oo low), insuff ice bolts @ S	icient E & N	length - phot IW (end cap)	o. Typical at - photos.		
Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Stand Termination T	ard (Y/I	N)	Yes 10.000	Down		4	4	all c SW	orners. Miss twisted.	sing sp	lice bolts @ S	SE & N	W (end cap)	o. Typical at - photos.		
Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Stand	ard (Y/I	N)	Yes 10.000 No	Down			1	all c SW	orners. Miss twisted.	sing sp	oo low), insuff lice bolts @ S SE beside cu	SE & N	W (end cap)	o. Typical at - photos.		

							tructure
Bridge Component					Explanation of Condition		
(Primary Spa	an : WG, 3 Spa	ans, Len	gths(r	n): 30-38-30,	A-Iden	t Numb	per: A1081-01)
Special Fea	tures					1	
Special Feat	ure					X	
(Type :)							
Special Feature						X	
(Type:)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)		2 (%)	3 (%)		
Last						5	
Now	0.0	0.0)	0.0	5	.0	
Wearing Su			-		3	3	Narrow/medium longitudinal & transverse cracking, some sealed,
	Type : ACP)				5 5		some not. Local unravelling/potholes at various locations in both
	s(mm) : 50)						lanes, holding water - photo.
1	s(mm) . 30)				NI NI		
Deck Top					N	N	
Deck Rideat	oility				6	6	
Deck Joints					2	2	2 holts missing broken East shutment
		~	0		3	3	2 bolts missing broken East abutment. (EBL is incorrectly installed. 2001/08/14)
· · · ·	ire (deg. C)	20					
(Expansion OR SLIDII	n Type : ARMO NG PLATES))	JURED G	JLAN	D (WABO UN	DER FI	NGER	
(Fixed Type :)							
Gap Size (Gap Size (mm) Gap Location						
25 East							
60 West							
Deck Draina	ge				8	8	
Drains Clo	gged (Y/N)	N	0				
Curbs/Media	an				7	7	Transverse cracks 500-1200 typical. Outside of curbs are cracked,
	e : Standard)						rust stains and efflorescence.
	ercent Area)	0					1
Bridge Rail		5			9	9	Bridgerail post grout pad delaminating approx 2% of posts - photo.
U	NDGE TUBE;				-	-	
Bridge Rail F			/		5	4	
			==! \		5	-+	
	LVANIZED P	031315)		0	0	
					8 8		
	LVANIZED)						
Sidewalk					X	X	
Girder/Bear	n					1	
Cover Plat	е				X	X	
Flange					9	9	
Web					9	9	
Stiffeners					9	9	
Splice					9	9	
Weld					9	9	
1	/Cross Frame				9	9	
Diapinagina	apiragina/01055 Frame						

Alberta Transportation

Bridge Component			tructure					
(Drimony Chan & WC 2 Change Langth	Last	Now	Explanation of Condition					
(Phimary Span . WG, 3 Spans, Length	s(m): 30-38-30, A-Ider	nt Num	ber: A1081-01)					
Paint Condition	9	9	Weathering steel.					
(Colour Description :)			_					
(Colour Code :)			-					
Touchup Required (Y/N) No								
Bearings	4	4	A1G1& G3 neoprene pad with horizontal narrow crack photo. Bearings on piers viewed with binoculars.					
Temperature (deg. C) 20								
(Expansion Type : POT BEARING)			-					
(Fixed Type : REINFORCED NEOPR TEFLON AND STAINLESS STEEL)	ENE BEARING WITH							
Coating Adequate (Y/N) Yes								
Functioning (Y/N) Yes								
Deck Underside	7	6	Few narrow cracking.					
Stains (Percent Area) 0								
Span Alignment Problems								
Vertical (Y/N) No								
Horizontal (Y/N) No								
Superstructure General Rating	8	4						
		Subot	ructure					
Bridge Component	Last	Now	Explanation of Condition					
Abutments		Inon						
Bearing Seats/Caps	8	8						
(Type : CONCRETE)	· · · · ·							
Backwalls/Breastwalls	8	8						
Wingwalls	7	7						
Piles	N	N						
Paint/Coating	4	6						
Abutment Stability	9	9						
Scour/Erosion	8	8						
Piers/Bents		-						
(Type : PIER-SOLID)			Couple pop outs east pier west face, (could have been from gun					
Bearing Seats/Caps	8	8	shots).					
(Type : CONCRETE)								
(Total Number of Bearing Piles : 0:0)			Medium vertical crack both piers & random narrow cracking.					
Pier Shaft/Piles	7	7						
Bracing/Struts/Sheathing	X	Х						
Nose Plate	6	6	Slight scaling or abrasion from ice just below nose plate.					
Paint/Coating	6	6						
(Colour Description :)								
(Colour Code :)			1					
Pier Stability	9	9						
Scour	N	N						
Debris (Y/N) No								

Substructure											
Bridge Component		Last	Now	Explanation of Condition							
Substructure General Rating		7	7								
		S	re Usage								
		Last	Explanation of Condition								
Channel											
(U/S Direction : S)											
(D/S Direction : N)											
Alignment		7	6								
Bank Stability		5	5								
HWM (m below Top of Curb)				Vertical cut bank @ SW bank . Not affecting bridge.							
Drift (Y/N)	Yes			HWM not visible.							
Slope Protection		8	7	Riprap in top portion of West headslope only. Most of east headslope							
(Type : RIP RAP; NATURAL)				natural.							
Guidebank/Spurs		Х	Х								
Adequacy of Opening			9								
(Fish Compensation Measure 1	NONE)										
(Fish Compensation Measure 2	NONE)										
Channel General Rating		5	5								
Channel General Rating		5	5								

					Mainten	ance Recommend	ations						
Inspector Recomme	Year	Inspector	r Comments		Department Co	ommer	nts		Target Year	Est. Cost	Cat #		
REPAIR/REPLACE	BRIDGE RAIL												
GALVANIZE/PAINT BRIDGE RAIL													
RETROFIT BRIDGE RAIL													
SEAL CURBS													
PATCH DECK			2011	Patch de	ck ACP delam/poth	noles, seal cracks.							
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS			2011	Replace tighten lo	missing/broken cov	ver plate bolts and							
RESET/ PAINT BEARINGS			2011	Replace rehab.	A1G1/G3 neoprene	e pad at major							
REPAINT SUPERS	TRUCTURE												
STRAIGHTEN/REP	PLACE MEMBERS												
WASHING													
SHOTCRETE REP	AIRS												
REPAIR ABUTMENT SCOUR/EROSION		ON											
PLACE ADDITIONA													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION			2011	Upgrade install sp	approach guardrai	I to meet standard, sing.							
OTHER ACTION			2011	Plug eros	sion holes @ SW &								
OTHER ACTION			2011	Reinstall	hazard markers to	meet standard.							
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			83.3/61.1 Sufficiency Rating (Last/Now) (%)				63.2/62.2	Es	t. Repl. Yr	2055	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor bridgerail p	ost grou	it pad del	am.			Department Comments						
Maintenance Reviewed By							Date				Estimated Total	0	
Proposed Long-Ter	m Strategy												
On 3-Year Program	n (Y/N)												
Proposed Action													
Previous Inspector's Name Dave			am			Previous	Assistant's Nam	е					
Next Inspection Dat	te	19-Nov	/-2014			Previous	nspection Date		07-May-2008				
Inspection Cycle (D	efault) (months)	39							-				
Comment													