						Bridge I	nspection	า					
Bridge File Num	nber	00278 -1	Bridge				Form Ty	γре		SG			
Year Built/Year 1948/1948						Lot No.			1				
Supstr						Inspecto	spector Name Jason Saly						
Bridge or Town Name PONOKA						Inspecto	r Class		BR CLS A				
	Located Over BATTLE RIVER, 5, WATERCRS-					l	Assistant Name						
Located On 2A:22 C1 12.769							Assistant Class						
Water Body Cl./Year							Inspecti	on Date		23-Nov-201	1		
Navigabil. Cl./Year					- \^/45.4	Data Entry By Marcia Chavez							
Legal Land Location SW SEC 31 TWP 42 RGE 25 W4					25 W4M	M Data Entry Date 03-Jan-2012							
Longitude, Latitude -113:36:10, 52:39:31							Reviewe	er Name		John O'Brier	า		
Road Authority Alberta Transportation (AIT)							Review	Date		15-Dec-201	1		
Contract Main. Area CMA17							Dept. Re	eviewer I	Name	Chris Black			
Clear Roadway/Skew 13.4 / -25 deg. (LHF)							Dept. Re	eview Da	ite	25-Jan-2012	2		
AADT/Year		4,840 / 20	` '				Follow-U	Follow-Up By					
Road Classifica		RAU-213	.4-120				-						
Detour Length (Allowable Load				5		CS2 77		Train		 3 91		> On Critic	al Spans
		GIRI				GIRDER			GII	RDER		>Critical M	
Design Loading):	HS2	0			Posting I	nformatic	nn.				> Primary	Span
Required Load	Postina	(t)		Single			Sen				Truc	k Train	
Required Load Posting (t) Single Posted Loading (t) Single						Semi			Truck Train Truck Train				
Posted:	Lane				on (Y/N)) No	In Advance (Y/N)		No			No	
Posted:	Lane						In Advance (Y/N)		No	-		No	
Remarks Not required.			(. / /	, , , , , ,		III / Idvance (1/14) Ido / It Bhoge (1/14) It			1.10				
		•	No										
Hazard Marker At Bridge (Y/N) No Remarks Not required.													
Other Sign Types River ID @ NW & SE			SE cor	ners.									
Milet Digit Types					Utilities (I	Located a	at)						
Utility Attachme	ents					,		ĺ					
Telephone	East r	/w; fibre o	ptic West	t r/w.			Gas						
Power 2 wire W of fenceline.					Municipa	al							
Others						Problem	(Y/N)	No					
Remarks													
						Approa	ch Road						
					La	st Now	Explana						
Horizontal Align						8 7	Intersection to S approx 100m. Bridge in a sag curve, no passing NBL.						
Vertical Alignment				7 7	Driuge II	i a say C	ui ve,	no passing IV	DL.				
Roadway Width			13.000										
Approach Bump					(6 6							
Guardrail (Y/N) Yes					New gua	New guardrail with thrie beam transition installed @ all corners. NV 70m; NE - 62.4m; SW - 47.2m; SE - 54.8m - minor creasing.							
Guardrail				7 6	/ OIII, INE	UZ. 4 [[1, 344	71.ZIII, OE -	J 4 .01	n - millor crea	onig.		
Length (m)			47.200				_						
Current Stand	,	N)	Yes				_						
Termination T	уре		Turn Do	own				= :					
Drainage						4 4	Leaking	onto SE	, SW a 	abutment sea	t. 		
Approach Roa	d Gene	ral Rating	9			7 7							
							1						

						Supers	structure
Bridge Com	ponent					Now	
(Primary Spa	an : RB, 3 Spa	ns, Lengt	ths(n	n): 12.2-15.2-	12.2, A	-Ident	Number: A0228-01)
Special Feat		<u> </u>		<u>, </u>			
Special Feat						X	
(Type:)							
Special Feature						X	
(Type:)							
Wearing Surface/Deck Top Detail Ratings							
Wearing Sun	N (%)	1 (%)	atirige	2 (%)	3 (%)		Snow along curbs.
Last	5	1 (70)		2 (70)	3 (70)		_ Show along curbs.
Now	5.0	0.0		0.0		0.0	
		0.0		0.0	4		Minor loss of chipped/angua @ C shut is int. NPL 2.0m v.0.2m
Wearing Surf (Material T COAT)	ype : CONCRI	ETE - CO	NVE	NTIONAL CH	-	5 .L	Minor loss of chipseal/epoxy @ S abut joint, NBL 2.0m x 0.3m. Also failed section at N abut, SBL 3m x 1m.
(Thickness	(mm) : 50)						
Deck Top					N	N	
Deck Rideab	ility				7	7	
Deck Joints	/ 1				4	4	(Spalled sections of concrete paving lip at N abut 5m long - photo. S abut paving lip deteriorating - photo. Leaking @ SE, SW onto abut
Temperatu		-3			,		seat.
(Expansion Type : GLAND (WABO-MAUER, TRANS				UER, TRANS	FLEX,	ETC))	Broken plow guard at A2. 02Mar2010).
(Fixed Type							
Gap Size (mm)		•	ocation			
95							
115 S. abut			ıt			_	
							_
Darah Darah						4	Water from the bring relation and girls between the case to girls.
Deck Draina					5	4	Water from deck drains splashing onto girder bottom flange, typical.
Drains Clo		No)			_	
Curbs/Media					N	N	(Light scaling on 3% West curb top, sealed - photo. Perpendicular cracks. 1.0-1.5m spacing, not sealed. Rebar exposed and staining @
` .	: Standard)						NE parapet. 23/06/05).
Scaling (Pe	ercent Area)	5					Snow covered along curb face but spall under side of curb at SW parapet.
Bridge Rail					7	7	Channel rail.
(Type : GA	LVANIZED ST	TEEL BRI	IDGE	TUBE)		_	10 A/B nuts with less than full thread.
Bridge Rail F	osts				4	4	
(Type : GA STEEL)	LVANIZED PO	OST STEI	EL;G	ALVANIZED	POST		
Bridge Rail/F	Posts Coating				6	6	
(Type : GA	LVANIZED)						
Sidewalk	<u> </u>				Х	Х	
Girder/Bean	1						
Cover Plate	e				Х	N	Slight sag in girder. (Was rated 3 on 12May2009; 1 cover plate
Flange					6	6	cracked Š1G6 45mm long.)
Web					7	7	
Stiffeners					7	7	
Splice					7	7	
Weld					7	N	(Was rated 3. 1 cracked cover plate.)
Diaphragms/	Cross Frame				7	N	(Was rated 3. 6 diaphragm welds cracked; locations marked on girder. 12May2009.)
							yiiuoi. 12iviay2003.j

			Supers	tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : RB, 3 Spans, Le	engths(m): 12.2-15.2-1	2.2, A	-Ident I	Number: A0228-01)					
Paint Condition		4	4	Rusting on bottom flanges of exterior. 30% of exterior bottom flange					
(Colour Description :)				peeling. Silver.					
(Colour Code :)									
Touchup Required (Y/N)	No								
Bearings		7	7						
Temperature (deg. C)	-3								
(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR 'EEL)	RING W	/ITH						
(Fixed Type : ROCKER BEAR	NG)								
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	Yes								
Deck Underside		5	5	1.0mm wide transverse cracks. Efflorescence @ North span #3.					
Stains (Percent Area)	0								
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating		6	3	GR carried forward from 12May2009.					
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats/Caps		5	5	Repaired during recent bearing rehab. Vertical cracks under					
(Type : CONCRETE)				abutment bearings. South abutment seat reinforced under bearing #6.					
Backwalls/Breastwalls		5	5						
Wingwalls		6	6						
Piles		N	N	Buried.					
Paint/Coating		Х	Х						
Abutment Stability		6	6						
Scour/Erosion		7	7						
Piers/Bents			·						
(Type : PIER-SOLID)				Wide cracks at 1.5m spacing, some under bearings.					
Bearing Seats/Caps		5	5						
(Type : CONCRETE)									
(Total Number of Bearing Piles :	0:0)			Some vertical & horizontal cracks. Scaling 10%, more severe below					
Pier Shaft/Piles		5	5	normal waterline.					
Bracing/Struts/Sheathing		Х	Х						
Nose Plate		6	6	Cracks up to 1.5mm wide, rusting on nose plate.					
Paint/Coating		4	4	Rusted.					
(Colour Description :)				Silver.					
(Colour Code :)									
Pier Stability		5	5						
Scour		6	6						
Debris (Y/N)	No								

			Substi	ructure
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	5	
		•	truotur	re Usage
			Now	Explanation of Condition
Channel		Last	1404	Explanation of condition
(U/S Direction : W)				
(D/S Direction : E)				
Alignment			7	
Bank Stability			7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection			6	
(Type : RIP RAP ; RIP RAP)				
Guidebank/Spurs			X	
Adequacy of Opening			7	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	·			
Channel General Rating	,	6	6	

Alberta Transportation

		Maintenance Recommendations	endations		-	-	
Inspector Recommendations	Year	Inspector Comments	Department Comments	nents	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2015	Patch exposed rebars @ NE parapet & patch NE & SE curbs, if not yet done.	<u>-</u>				
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	Z						
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	(Repair cover plate weld. 12May2009) - if not yet done.)t				
OTHER ACTION	2012	(Repair diaphragm welds. 12May2009) - if not yet done.	ot				
OTHER ACTION	2015	Extend deck drain past bottom flange at next major rehab.	.				
OTHER ACTION	2012	(Repair steel delam by grinding. 12May2009) - if not yet done.	- ((
Structural Condition Rating (Last/Now) (%)	w) 61.1/44.4	4 Sufficiency Rating (Last/Now) (%)	73.0/63.3	Est. Repl. Yr 2025		Maint. Reqd. (Y/N)	Yes
Special Reports entered out Comments for 06Dec2011.	of sequence so	Reports entered out of sequence so LvI 2 girder comments added to this form on 06Dec2011.	Department				
Maintenance Reviewed By			Date		Estimated Total	al 0	
Proposed Long-Term Strategy	2007.04.07-sec	2007.04.07-second generation rehab scheduled for 2015. With normal maintenance bridge should be ok until 2050	ith normal maintenance	e bridge should be ok u	ntil 2050.		
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava	Previo	Previous Assistant's Name				
Next Inspection Date	23-Aug-2013	Previo	Previous Inspection Date	02-Mar-2010			
Inspection Cycle (Default) (months)	21						

Alberta Transportation

Comment

				Maintenance Recomm	enda	ations					
Inspector Recommendations		Year	Inspector Com	ments		Department C	Comments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE R	RAIL					·					
GALVANIZE/PAINT BRIDGE F	RAIL										
RETROFIT BRIDGE RAIL											
SEAL CURBS		2015	Patch exposed NE & SE curbs	I rebars @ NE parapet & pa s, if not yet done.	tch	At next rehab			2012		
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOI	NTS										
RESET/ PAINT BEARINGS											
REPAINT SUPERSTRUCTUR											
STRAIGHTEN/REPLACE MEN	/BERS										
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR	EROSION										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION		2012	(Repair cover yet done.	plate weld. 12May2009) - if	not	At next rehab			2012		
OTHER ACTION	2012	(Repair diaphr	agm welds. 12May2009) - if	not	At next rehab			2012			
OTHER ACTION		2015	5 Extend deck drain past bottom flange at nex major rehab.			At next rehab			2012		
OTHER ACTION		2012	(Repair steel d	elam by grinding. 12May20 e.	09)	At next rehab			2012		
Structural Condition Rating (%)	(Last/Now)	61.1/44.	4 Suffic	ciency Rating (Last/Now)	7	3.0/63.3	Est. Repl. Yr	2025	Maint. Re	eqd. (Y/N)	Yes
Special Reports enter O6Dec2011.	ered out of sec	quence so	b Lvl 2 girder co	mments added to this form	on	Department Comments	Tentatively programi	med for b	oridge deck reh	ab in 2012.	AS
Maintenance Reviewed By	Andre	w Smikle	S			Date	15-Aug-2012		Estimated Tota	al 0	
Proposed Long-Term Strategy	2007.0	04.07-sec	cond generation	rehab scheduled for 2015.	With	normal mainte	enance bridge should	be ok ur	ntil 2050.		
On 3-Year Program (Y/N)											

Proposed Action			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	23-Aug-2013	Previous Inspection Date	02-Mar-2010
Inspection Cycle (Default) (months)	21		
Comment			