						В	ridge li	nspect	tion						
Bridge File Number 75651 N-1 Bridge						Form Type					SG				
Year Built/Year		1964/196						Lot No.			2				
Supstr		DOMOKA						Inspector Name			Owen Salava				
Bridge or Town Name PONOKA						Inspe	Inspector Class			BR CLS A					
Located Over 53:08 R1 0.004;53:08 L1 0.003						Assistant Name									
Located On 2:26 R1 45.171						Assis	stant C	lass							
Water Body Cl./								Inspe	ection [Date		22-Feb-2013			
Navigabil. Cl./Year							Data Entry By			Marcia Chavez					
Legal Land Location SW SEC 1 TWP 43 RGE									Data Entry Date			11-Mar-2013			
Longitude, Latitude -113:39:05, 52:40								Reviewer Name			John O'Brien				
			ransporta	nsportation (AIT)					Review Date			27-Feb-2013			
Contract Main. A		CMA17						Dept.	. Revie	wer l	Name	Chris Black			
Clear Roadway/	Skew	15.9 / 15	deg. (RH	łF)	F)				. Revie			14-Mar-2013			
AADT/Year		23,260 / 2	2011 (A)						w-Up E						
Road Classificat	ion	RFD-412	.4-130						06 -	-,					
Detour Length (F	km)	1													
Allowable Load ((t): Sin	gle CS1	60		Semi	CS	32 76		-	Train		3 90		> On Critica	Spans
D : 1 !:		GIRI				GI	RDER				GIF	RDER		>Critical Me	
Design Loading:		HS2	0			Po	sting l	nforme	otion					> Primary S	oan
Required Vert. C	`learan	ce Postin	a (m)	UNDER:	· 53 l										
Posted Vertical (9 (111)	ONDER.	. 33 L	1 3.11	11, 55 1	1 3.1111							
Posted: Lane			idge (m)	Ir	n Adva	ance ('V/NI)		Lane	W/R	0	n Bridge (m)	 5 1	In Advance (Y/N) No
Remarks	LD	Oli bi	iage (III)		TAUV	ance ((1/11)		Lanc	VVD		ii blidge (iii)	J. I	III Advance (1714) 140
Required Load F	Poeting	(+)		Single				c	Pomi			-	Truol	k Train	
Posted Loading		(1)		Single				Semi							
		NID		Single				Semi			() (() 1)	Truck Train At Bridge (Y/N)			
Posted:	Lane	NB		At Juncti					In Advance (Y/N) In Advance (Y/N)		` '				
	20.10 02 7.10 00.110 110 11					/IN)		ır	n Adva	ance ((Y/N)	/	At Br	ridge (Y/N)	
Remarks	\ D : I	() (/ h l)													
Hazard Marker A	at Briag	ge (Y/N)													
Remarks															
Other Sign Type	S					114	ilities (l	ocato	nd at						
Utility Attachmer	nts					UL	illies (i	Locale	eu at)						
Telephone	SE							Gas							
Power		6m north	of bridge	e. underar	round			Munio	cipal						
Others	O WIIG	JIII HOI III	J. Driage	z, anacigi	· Juilu	•			lem (Y	/N)	No				
Remarks								. 1001	. 5.11 (1)	• • • •					
. tomano							Approa	ch Ro	ad						
						Last	Now			n of (Condit	ion			
Horizontal Aligni	ment					9	9								
Vertical Alignme						7	7								
Roadway Width (m) 15.800															
Approach Bump					7	7									
Guardrail (Y/N) Yes						No ra	ail at N	W co	rner.						
Guardrail				7	7	1									
Length (m)			80.000												
Current Standa	ard (Y/	N)	Yes												
Termination Ty	`	,		D DOWN	1										
Drainage	, po		TOTAL	.5 50 0010	•	5	5								
Approach Road	l Gene	ral Rating	מ			7	7								
. Apriodon Node		. a. rami	9												

					Supers	tructure				
Bridge Com	ponent					Explanation of Condition				
		ns, Lengths(m): 13.1-26.5			Number: A0429-01)				
Special Feat										
Special Featu					X					
(Type:)										
Special Featu	ıre				X					
(Type:)										
	ace/Deck Top	Detail Rating	ıs							
Trouming Cum	N (%) 1 (%) 2 (%)									
Last	0	0	0	3 (%)	0					
Now	5.0	0.0	0.0		0.0					
Wearing Surf		0.0	0.0	6	6	Chipseal worn off at A1 joint, not installed flush to curbs.				
	ype : CONCRE	TF - CONVI	ENTIONAL CE			Omposal worm on at 7th joint, not instance hash to surbs.				
COAT)	ype . CONCINE	-16-001111	LITTIONAL OF	III OLA	\ L					
(Thickness	(mm) : 50)									
Deck Top				N	N					
Deck Rideab	ility			7	7					
Dook Isiata						Missing 4 place deflectors @ Nichold C at C about				
Deck Joints	ro (do = 0)	2		6	6	Missing 4 plow deflectors @ N abut, 8 at S abut.				
Temperatu		3	ALIED TO ANI	OF! FV	ETO\\					
	Type : GLAN	D (MARO-M	AUER, IRAN	SFLEX,	EIC))					
(Fixed Type										
Gap Size (r	mm)		Location							
67		N. at								
75		S. at	out							
Deck Drainag				6	6					
Drains Clog	gged (Y/N)	No			_					
Curbs/Media	n			6	6	0.3 mm wide transverse cracks 1 to 2m.				
(Curb Type	: Standard)					1 m wide cracks in ext @ control jnts. Minor spalls to outside face.				
Scaling (Pe	ercent Area)	0				<u>'</u>				
Bridge Rail				5	5	Panel 3 & 6 from N end.				
(Type : GA	LVANIZED ST	EEL VERTIO	CAL BAR)			Retrofit rail installed. Corrosion @ 3 slats @ 6th from north				
Bridge Rail P	osts			7	7	east side.				
(Type : GA	LVANIZED PO	ST STEEL;	GALVANIZED	POST						
ŠŤĖEL)	_									
Bridge Rail/P				6	6					
	LVANIZED)									
Sidewalk				X	X					
Girdor/Door										
Girder/Beam				6	F	Contar and agging 25mm; arrayed with hydraulic all				
Cover Plate					5	Center span sagging 25mm; sprayed with hydraulic oil. HLD WBL denting flange, deflecting to W approx 10mm.				
Flange				6	4	HLD EBL denting flange G7, deflecting E 15mm.				
Web				6	6	-				
Stiffeners				7	7	-				
Splice				7	7	-				
Weld				7	7					
Diaphragms/	Cross Frame			5	5	1 bolt missing in diaphragm connection NW side.				

Superstructure										
Bridge Component		Last		Explanation of Condition						
(Primary Span : RB, 3 Spans, Le	ngths(m): 13.1-26.5-1	3.1, A								
Paint Condition		6 6		Blue.						
(Colour Description :)										
(Colour Code :)										
Touchup Required (Y/N)	No									
Bearings		6 6		Overexpanded 25 mm at SE.						
Temperature (deg. C)	3			Pier 2 is fixed.						
(Expansion Type : STEEL SLID PLATE IN BETWEEN)	ING PLATES WITH E	RONZ	Έ	25% corrosion with some pitting @ abutments.						
(Fixed Type : PINNED BEARIN	G)									
Coating Adequate (Y/N)	No									
Functioning (Y/N)	Yes									
Deck Underside		5	5	Corrosion stains @E side S2-3; sprayed with hydraulic oil.						
Stains (Percent Area)	5			\$1G7 has haunch spall at A1. Delamination of concrete at NE corner of deck.						
Span Alignment Problems				Detailination of concrete at the corner of deck.						
Vertical (Y/N)	No			Skew pressures have jammed bridge at SE with spall at underside of						
Horizontal (Y/N)	Yes			curb.						
Superstructure General Rating	103	5 4								
·			Oubst							
Pridge Component		Loct		ructure Explanation of Condition						
Bridge Component Abutments		Last	Now	Explanation of Condition						
Bearing Seats/Caps		8	8							
(Type : CONCRETE)		0	0							
Backwalls/Breastwalls		8	8							
Dackwalls/Dieastwalls										
Wingwalls		7	7	SE wingwall spalled due to jammed curb.						
Piles		N	N							
Paint/Coating		7	7							
Abutment Stability		7	7							
Scour/Erosion		Х	Х							
Piers/Bents										
(Type : PIER-COLUMN)										
Bearing Seats/Caps		8	8							
(Type : CONCRETE)										
(Total Number of Bearing Piles : (D:0)									
Pier Shaft/Piles		8	8							
Bracing/Struts/Sheathing			Х							
Nose Plate			Х							
Paint/Coating			7							
(Colour Description :)				1						
(Colour Code :)										
Pier Stability		8	8							
Scour		Х	Х							
Debris (Y/N)	No									

Substructure										
Bridge Component		Last	Now	Explanation of Condition						
Substructure General Rating		7	7							
	re Usage									
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment			9							
Traffic Safety Features			7	Steel post median rail.						
Туре	GUARDRAIL									
Slope Protection		4	4	A1 100mm gap to abut cap.						
(Type : CONCRETE; CONCRE	ETE)			A2 150mm gap to abut cap, buckled at base (photo).						
Bank Stability			4	Concrete slope jammed against prior columns.						
Drainage			7							
Grade Separation General Rati	ing	7	4							

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Rec	ommend	ations						
Inspector Recommendations		Year Inspector Comments			Department Com	ment		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		2013	Straighten S2G7 at 2 locations; grind s required.	smooth if							
WASHING		2013	Wash hydraulic oil from girders.								
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/ERO	SION										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION		2013	Install missing bolt @ NW diaphragm connection.								
OTHER ACTION		2013	Replace 12 plow deflectors @ joints.								
OTHER ACTION		2013	Repair concrete hslp protection.								
OTHER ACTION											
Structural Condition Rating (Last/(%)	Now)	66.7/61.	Sufficiency Rating (Last/No	ow) 7	70.5/63.5	Est.	. Repl. Yr	2033	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				·	Department Comments						
Maintenance Reviewed By					Date			E	Estimated Tota	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Owe		Salava	F	Previous A	s Assistant's Name						
Next Inspection Date 22-		/-2014	F	Previous I	is Inspection Date 13-Jul-2011						
Inspection Cycle (Default) (months)	21										
Comment											