Bridge Inspection															
Bridge File Number 00383 -1 Bridge					J	Form Type PCS									
Year Built/Year 1958/1958							Lot No.		2						
Supstr			ININIVOLODE					Inspector Name		Dave Lam					
Bridge or Town Name SUNNYS						000	Inspector Class		BR CLS A						
Located Over LONEPIN ST			NE CREEK, 3.46.21, WATERCRS-					Assistant Name							
Located On 582:04 C1			1 15.551					Assistant Class							
Water Body Cl./Year			. 18188					Inspection Date			16-Jul-2011				
Navigabil. Cl./Year							Data	a Entry I	Зу		Marcia Chavez				
		SW SEC	C 20 TWP 31 RGE 27 W4M					Data	Data Entry Date 13-Aug-2011						
			03, 51:39:51					Reviewer Name			John O'Brien				
Road Authority		Alberta T	Fransportation (AIT)					Review Date			27-Jul-2011				
Contract Main. A	Area	CMA29										Andrew Smi			
Clear Roadway/	Skew	9.1 /							t. Revie		e	29-Aug-201	1		
AADT/Year		590 / 201	0 (A)					Follow-Up By							
Road Classificat	ion	RCU-209	-110												
Detour Length (I	km)	3													
Allowable Load	(t): Sir				Semi		S2 52		-	Train		3 74		> On Critic	cal Spans
Danisa Landina		GIRI				GI	RDER				GII	RDER		>Critical N	
Design Loading:		HS2	0			D	osting l	oform	otion					> Primary	Span
Required Load F	Poetino	ı (t)		Single			osung n		Semi				Trucl	k Train	
Posted Loading		()		Single					Semi			Truck Train Truck Train			
Posted:	Lane	ЕВ			tion (Y/ľ	VI)	No		In Adva	nce ()	√/NI)	No		ridge (Y/N)	No
Posted:	Lane	WB			tion (Y/I		No		In Adva			No		idge (Y/N)	No
Remarks		equired.		/ tt durio	1011 (171	1)	140		III / lava	1100 (1/11/	110	/ (C DI	lage (1/14)	140
Hazard Marker A			Yes												
Remarks	W Dila	gc (1/1 1)	103												
Other Sign Type															
outor eight type						Ut	ilities (l	ocat	ed at)						
Utility Attachmer	nts														
Telephone	Both s	sides.						Gas							
Power	1 wire	OH North	fencelin	е.					Municipal						
Others								Prob	olem (Y/	(N)	No				
Remarks															
							Approa	ch Ro	oad						
					L	ast	Now	Explanation of Condition							
Horizontal Aligni	ment					9	9	Limited sight distance to the West, no passing both directions.					ections.		
Vertical Alignme	nt					6	6	\vdash							
Roadway Width (m) 9.500						Crac	cks at al	but (pl	hoto).						
Approach Bump			6	6	\vdash										
Guardrail (Y/N) Yes					Insu	fficient l	ength	& po	sts/spacing.						
Guardrail			6	6											
Length (m) 7.600															
Current Standard (Y/N) No															
Termination Type Turn Down															
Drainage						7	7								
Approach Road	d Gene	eral Rating	9			6	6								

					9	Supers	structure			
Bridge Comp	ponent					Now	Explanation of Condition			
	(Primary Span : PGO, 3 Spans, Lengths(m): 8.5-8.5, A-Ident Number:)									
Special Feat		,	J							
Special Feature						X				
(Type:)						-				
Special Featu	ıre					X				
(Type:)	<u> </u>									
	ace/Deck Ton	Detail	Pating							
Wearing Surface/Deck Top Detail Ratings N (%)			3 (%)							
Last	14 (70)	1 (70)		2 (70)	(70)					
Now	0.0		0.0	0.0	0	0.0				
Wearing Surf		,	J.0	0.0	5	5	Longitudinal cracks @ narrow width between girder.			
		ETE\				J 3	Longitudinal cracks @ flaffow width between glider.			
	ype : CONCRI	=1=)								
(Thickness	(mm) : 50) ection Problen	n	No							
(Y/N)										
Deck Top					N	N				
Deck Rideab	ility				7	7				
Deck Joints					N	N	Buffer angles covered by overlay.			
Bump (Y/N)		No							
Deck Drainag	ge				7	7				
Drains Clog	gged (Y/N)		No							
Curbs/Media	n				4	4	N curb patch is cracked & spalled off.			
(Curb Type	: Standard)				'		NW curb lift pocket not grouted (photo). Several curb lift pocket grout cracked or spalled.			
Scaling (Percent Area) 2							S2 S curb spalled (photo).			
Bridge Rail					7	4	Double layer; not proper splice.			
	LVANIZED ST	TEEL F	LEX B	EAM)			West span, both ext girders missing bridgerail/post bolts at 3 post			
Bridge Rail P					3	3	3 nuts & OG washers missing from post to girder connection. Creosote posts, galvanized flexbeam.			
	EATED TIMBE	R:TR	EATED	TIMBER)						
Bridge Rail/P		,			6	6				
	LVANIZED)									
Sidewalk					X	Х				
Girder Detail	Ratings									
	N (count)	1 (co	unt)	2 (count)	3 (cou	ınt)				
Last										
Now	0		0	0		0				
Girders					4 5		4/30 interior girders with wide crack or spall in AZ in 1 leg. S1G1 (not			
Last Complete Inspection Date 16-Jul-2011					including curb unit) - photo. Not all girders have drift pin installed through cap, no problem.					
Cracking (Y/N) Yes										
Spalling (Percent Area) 10										
Lift or Connector Pocket No Grouted (Y/N)							Not including curb units; S2=S, S1=N.			
(Number Of Girders : 30)										
Span Alignm	Span Alignment Problems									
Vertical (Y/	N)		No							
Horizontal ((Y/N)		No							
Superstruct	ure General R	ating			4	5				

					Subst	tructure			
Bridge Cor	mponent			Last	Now	Explanation of Condition			
Abutments									
(Extende	d Backwall Piles	s (Y/N) : N)							
(Extende	d Backwall Piles	s Spacing(mm	n):)						
(Total Num	ber of Caps/Co	rbels : 2:2)				Steel HP welded to steel capital on pile, space in capital not groute			
Bearing Se	ats/Caps/Corbe	els Detail Ratir	ngs		typical.				
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last									
Now	0	0	0		0				
Bearing Se	ats/Caps/Corbe	els		7	7				
(Type : S	TEEL)								
(Depth(m	m): 300)								
(Width(m	m) : 300)								
Backwalls/	Breastwalls			7	7				
Greatest	Height (m)	1.10							
Wingwalls				7	7	1 pile wingwall.			
(Total Num	ber of Bearing I	Piles : 8:8)				Majority of each pile buried.			
Piles Detail	Ratings	,							
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	16								
Now	16	0	0		0				
Piles				N	N				
Paint/Coati	ng			4	4	Block scaling/peeling. HP rusting.			
Abutment S	Stability			7	7	- · · · · · · · · · · · · · · · · · · ·			
Scour/Eros	ion			7	7				
Piers/Bent	<u> </u>								
	S IER-COLUMN)								
	ber of Caps/Co	rholo : 1:1\							
	ats/Caps/Corbe		nge						
Dearing Se	N (count)	1 (count)	2 (count)	3 (cou	ınt)				
Last	14 (count)	i (count)	Z (count)	0 (000	<i></i>	_			
Now	0	0	0		0	1			
	ats/Caps/Corbe			7	7	1			
(Type: S	·			•	•	1			
(Depth(m	•					1			
(Width(m						1			
	ber of Bearing I	Piles : 8:8)				TT/HP.			
Piles Detail						1 H pile at each end of piers.			
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Steel HP cap welded to steel capital on pile, space in capital not grouted.			
Last	14	(2223.4)	(222)	300	,	Only H piles on ends visible, remainder of pier piles behind			
Now	14	0	0		0	sheathing.			
Pier Shaft/F				5	5	1			
	Greatest Height (m) 4.30					1			
	Bracing/Struts/Sheathing					No cleat at abut piles due to low clearance to ground.			
Nose Plate	Nose Plate					Bent @ North end P2 but functioning.			
Paint/Coati	ng			5	5	Creosote piles.			
	Description :)				HP cap rusting.				
(Colour C	· · · · · · · · · · · · · · · · · · ·					1			
, , , , ,	,								

			Subst	ructure			
Bridge Component			Now	Explanation of Condition			
Pier Stability		8	8				
Scour		7	7	Riprap on both piers to stop erosion.			
Debris (Y/N) No							
Substructure General Rating		5	5				
			Structu	re Usage			
		Last	Now	Explanation of Condition			
Channel							
(U/S Direction : N)							
(D/S Direction : S)							
Alignment		7	7				
Bank Stability		4	5	SW bank erosion, not affecting bridge flow.			
HWM (m below Top of Curb)	1.8			(1996)			
Drift (Y/N)	No						
Slope Protection	<u> </u>	5	5	Some riprap (sparce); well vegetated.			
(Type: NATURAL; NATURA	L)						
Guidebank/Spurs		Х	Х				
Adequacy of Opening		8	8				
(Fish Compensation Measure 1	I : NONE)						
(Fish Compensation Measure 2	2 : NONE)						
Channel General Rating		4	5				

Bridge Inspection & Maintenance System (Web 2005)

00383 -1 Bridge

		Maintenance Recommend	ations				
Inspector Recommendations	Year	Inspector Comments	Department Com	nments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2011	Install bolts @ bridgerail (3). Install 3 nuts with OG washers at anchors.					
SEAL CURBS	2011	Patch cracked/spalled curb.					
PATCH DECK							
OVERLAY DECK	2011	Chipseal.					
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011						
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2011	Grout space btwn capital & pile, all locations.					
OTHER ACTION	2011	Fill lift hook pocket at S curb S2 & N curb S1.					
OTHER ACTION	2011	Seal crack in ACP at abuts.					
OTHER ACTION	2011	Upgrade approach guradrail to meet standard.					
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) (%)	50.0/55.	Sufficiency Rating (Last/Now) (%)	64.4/67.0	Est. Repl. Yr 2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
. Toposou riouon							

Previous Inspector's Name	Dave Lam	Previous Assistant's Name	
Next Inspection Date	16-Oct-2014	Previous Inspection Date	22-Sep-2009
Inspection Cycle (Default) (months)	39		
Comment			