						Leve	el 2 Insp	ecti	on - Concre	te Deck					
Bridge Fi	ile Numbei	r ·	7519	5 E-1 Bri	dge		·		Form Type			CDK			
Year Buil		1961/1961 Lot No.													
Supstr									Inspector	Name		Jason Saly			
Bridge or	Town Na	me	CAR	VEL CO	RNE				Inspector Class			BR CLS A			
Located (Over		43:22	2 R1 23.8	327;43:	22 L1 23.86	6		Assistant I						
Located On 16:12 R1 51.538 Water Body Cl./Year									Assistant	Class					
Water Bo	ody CI./Yea	ar							Inspection			02-Aug-2012			
Navigabil. Cl./Year Legal Land Location NW SEC 10 TWP 53 RGE 2 W5M									Data Entry			Jason Saly			
Legal Land Location NW SEC 10 TWP 53 RGE 2 W5M									Data Entry			21-Jan-2013			
Longitude	Longitude, Latitude -114:13:17, 53:34:12 Road Authority Alberta Transportation (AIT)								Reviewer			Paul Carter			
Road Aut	oad Authority Alberta Transportation (AIT)								Review Da			25-Feb-2013			
Contract	Main. Area	a	CMA	11					Dept. Rev		ame				
Clear Ro	adway/Sk	ew	12.2	/ 38 deg.	(RHF)				Dept. Rev						
AADT/Ye	ear		17,03	30 / 2012	(A)				Follow-Up		<u> </u>				
Road Cla	assification	1	RAD-	-412.4-12	20				Visual Ins		·	Υ			
Detour Le	ength (km))	1						CSE Testi			Y			
									Chloride T			N			
Allowable	E Load (t):	Sing	gle (CS1 28		Semi	CS2	49	Official	Train	CS	3 62	>	On Critical Spans Critical Member	
Design Lo	oading:		ı	HS20										Primary Span	
		2 Sn			nathe	(m): 14-24.	1 ₋ 17 1)							т ппату Эрап	
	ngth : 14-2				riigiiis	(111). 14-24.	+-17.1)								
(Total Le	ngın . 14- 2	24.4-	17.1	= 55.5)			Canana	40 D	eck Inspect	ion					
									Explanati		ondi	tion			
Wearing	Surface						Last	NOW	LAPIAIIALI		onai	ш			
	er? (Y/N)				Υ										
ACP? (N										
	eal Coat?	(V/NI	١		Y										
Onip O	cai Ooat:	Ty			<u> </u>				ear Installe	4	Δνα	. Total Thickness (n	nm)	Area (m²)	
Seal Coa	nt		•	-NTIONA	VI CHIE	SEAL CO	ΔΤ		994	1	, wg.	Total Thiothicss (II		677.1	
	Rating (%			-1411014/	VE OI III	OL/IL OO/				ı				017.1	
		6/5		4	3	2/1	N/X	(
Last															
Now	0		0	0		0 0	1	00							
ACP Rat	ing (% Ar	ea)													
	9-7	6/5		4	3	2/1	N/X	(
Last															
Now	0		0	0		0 0	1	00							
Chip Sea	al Coat Ra	ting	(% A	(rea)											
	9-7	6/5		4	3	2/1	N/X	(
Last															
Now	0	1	00	0		0 0		0							
Polyme	er Total De	bono	ded /L	Lost Area	a (m²)			0							
ACP To	otal Debor	nded	/Lost	Area (m	l ²)			Χ	Minor flushing, some cracks reflecting through seal coat.					seal coat.	
ACP A	verage Me	asur	ed D	epth (mn	n)			Χ							
ACP C	rack Frequ	uency	/ (m/r	m²)				Χ							
Chip Se	eal Coat T	otal l	Lost /	Area (m²)			0							
	e Overlay														
	y? (Y/N)				Υ										
	/pe : RB)														
	Numbers :	1, 2	, 3)												
	y type : C			E (HIGH	DENSI	TY))									
·	n²) : 677.1														
,Ju(11	, . •	/													

Sidewalks? (Y/N)

Ν

	Concrete Deck Inspection													
					L	Last	Now	Explanation of Cond	ition					
(Year li	nstalled : 1	982)												
(Thickn	ess(mm):	50)												
(Averaç	ge Cylinde	r Strength	(Mpa) :)											
Overlay	Rating (%	Area)												
	9-7	6/5	4	3	2/1	1	N/X							
Last														
Now	0	0	0	0	0		100	Covered by chip eal c	oat and polymer overla	ay.				
Total C	rack Lengt	h - Mediu	m/Wide (r	n)			N	-						
Total S	caled Area	ı - Light (m	12)				N							
Total S	caled Area	-Moderat	e/Heavy/S	Severe (m²	2)		N							
Debono	ded Area (ı	n ²)					11	-						
Spalled	d Area (m2)						N	-						
Patche	d Area (m²)					N	-						
	e Measure			•			110							
Standa	rd Deviation	n of Meas	sured Cov	er Depth (ı	mm)		14							
Deck														
(Span Ty	/pe : RB)													
(Span I	Numbers :	1, 2, 3)												
(Deck	Type : CON	NCRETE (CLASS C	())										
(Area(n	n²) : 677.1)													
	Constructed	d : 1961)												
	Videned :)													
(Thickn	iess(mm):	150)												
(Avera	ge Cylinde	r Strength	(MPa) :)					I	I	I				
		Туре						Size	Design Cover (mm)	Spacing (mm)				
Long. Re	inforcing	REINFO	RCING S	TEEL										
	einforcing		RCING S	TEEL										
Deck To	p Rating (I	1	1									
-	9-7	6/5	4	3	2/1	1	N/X							
Last														
Now	0	0	0	0	0		100	-						
	rack Lengt			n)			N	-						
	caled Area		·				N							
	caled Area		te/Heavy/	Severe (m	12)		N	-						
	nated Area						N							
•	d Area (m²)					N		-						
	d Area (m²	•					N	-						
	e Measure						N	_						
	rd Deviation			er Depth (mm)		N							
Deck Un	derside R				0/4		101	-						
	9-7	6/5	4	3	2/1	r	N/X	Slight sag along exter	ior girders on span 2 n	ninor high load scrapes				
Last Now	0	100	0	0	0	+		above highway 43.	g	gg				
	0	100		0	0		0	-						
	tained Are		· · · · ·	na)			2	-						
	tained Are			<u> </u>			0	Minor staining at west	abutment					
	rack Lengt			[1]			149	-						
	edium/Wid	e Clacks	Stairieu				40							
Edge Ele Curbs?			,	 Y										
	ets? (Y/N)			<u>r </u>										
	is? (Y/N)			v V										

							Cond	rete Dec	ck Inspection						
							Last		Explanation	of Condition					
Curbs								111011							
(Type:	CONCRE	TE)													
	Length(m):))												
·	t(mm) :)	·)												
(Width		<i>)</i>													
·		r Ctron		De) :	`										
	ge Cylinde		igui(ivir	-a).)		0:			Danima Causa (m		On a sin a (man)			
Remorc	ement Type	€					Size			Design Cover (r	nm)	Spacing (mm)			
0 1 0	41 (0/ 1														
Curb Ra	ting (% Le					0/4	Τ,	107							
	9-7	6/5	4		3	2/1	1	N/X							
Last	_				_										
Now	0	69		1	0	0		30							
	Crack Lengt				1)			52	Transverse ci	acking.					
Total S	Scaled Leng	gth - Li	ight (m))				7							
Total S	Scaled Leng	gth - M	loderate	e/Heav	y/Severe	(m)		0							
Delami	inated Lenç	gth (m)					1							
Spalled	d Length (m	า)						1							
Patche	ed Length (r	m)						8							
Averag	ge Measure	d Cov	er Dep	ppth (mm) 90 Does not include areas with parging.											
	ard Deviation					mm)		10	Does not incli	ude areas with pa	arging.				
Deck Jo							•								
	SLAND (W	ABO-I	MAUEF	R. TRAI	NSFLEX.	ETC))									
	er of Joints			.,		,									
•	nsion / Fixe		YDANS	SION)											
<u> </u>	on : A1, A 2		AI AITC	JIO11)											
		<u>-) </u>						100							
% Insp								100							
	ts Leaks							100							
	t Length Le							100							
· · · · · · · · · · · · · · · · · · ·	structure Da			9				5							
	ucture Dam		Rating					4							
Level 1	I Joint Ratii	ng						5							
								CSE T							
Testing				1	8-Jul-201	2			Previou	us Testing Date	24-Jul-200	08			
Weather	Information	on													
Tempe	erature (°C)			1	7										
Conditi	ions			S	Sunny										
Equipme	ent Informa	ation													
Test E	quipment M	1ake a	nd Mod	del C	Corexco C	DL - 2	00 EA	/512							
	cal Ground	Locati	ion and	1 1	DJ, West	abutm	ent d	eck joint	along the sout	h curb					
Туре															
	ement Loca	ations	Inforn												
Origin	for Data				outh wes	t									
					umber				Length of Ea	ach (m)		Length of Last (m)			
X Increi	ments (Len	gth)		5	3				1.219 1.200						
Y Increi	ments (Wid	lth)		1	0				1.219		1.200				
CSE Res	sults														
Span N	Numbers			1	,2,3										
Span T	Гуре			F	RB										
•	ng Surface			C	CONVENT	ΓΙΟΝΑΙ	L CHI	P SEAL (COAT, CONCI	RETE (HIGH DE	NSITY)				
Testing Year	% Deck A 0 to -0.1 \	/ -	% Deck < -0.1 t	k Area	% Deck < -0.2 to	Area	% De	eck Area 3 to -0.4			Stnd. Dev. Deck Reading	Avg. Curb Reading (V)	Stnd. Dev Curb Reading		
2012	0.0		v 1.3		26.8		63.6		8.3	-0.332	0.070	-0.409	0.069		
2012	0.0		۱.٥		∠∪.∪		∪ວ.⊍		0.0	-0.332	0.070	~∪. + ∪ỡ	10.009		

CSE Testing											
2008	0.0	1.0	32.0	59.0	8.0	-0.323	0.071	-0.126	0.093		
2004	0.0	1.0	32.0	62.0	5.0	-0.324	0.058	-0.403	0.086		
	diction Model O ab Start Year	ptimum 5	2015								
Commen	ts										

		Main	tenance Reco	mmenda	ations				
Inspector Recommendations	Year	Inspector Comments			Department Comme	ents	Target Year	Est. Cost	Cat #
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
WASHING									
OTHER ACTION									
CRACK REPAIRS/TREATMENT									
PATCH CURBS/PARPETS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (%) 38.	.9	Sufficiency Rating	g (%)	42.5	E	st Repl Year	2020)	
Level 1 Insp Date 07-Aug-20)12 Next L	evel 1 Insp Date	07	7-May-20	14 Current Leve	el 1 Insp Cycle (Default) (Months)	21	
Special Comments for Next Insp									
Snooper? (Y/N) No Lift	t? (Y/N)	No Traffic	Control? (Y/N	l) Yes	Boat? (Y/N)	No	Ladder? (Y/N)	No	
Other Special Requirements Comments			·	•		·		·	
Previous Level 2 Inspector's Name	Brian Cote		P	revious L	evel 2 Insp Date	24-Jul-2008			
Next Level 2 Insp Date)2-Aug-2016		D	iscontinu	e Level 2 Insp? (Y/N) No			
Level 2 Insp Previously Completed 1	11		Le (N	evel 2 Ins Months)	sp Cycle (Default)				
Detailed Report/Diagram? (Y/N)	⁄es								
Level 2 Insp Comments									
Next Level 2 Inspection/Test (Concrete Deck	Insp? (Y/N)	Yes	CSE	Testing? (Y/N)	Yes	Chloride Testing? (Y/N)	No	
Department Reviewer Comments									