					l evel	2 Inspecti	on - Concre	ete Deck				
Bridge File Num	ber	74440) -1 Bridg	qe			Form Typ		CDK			
Year Built/Year	•	1958/		5-			Lot No.					
Supstr		1000/					Inspector	Name	Jason Saly			
Bridge or Town	Name	GUY					Inspector		BR CLS A	-		
Located Over					R, 8.10.58.7	7,	Assistant					
Leasted On			ERCRS-				Assistant					
Located On		49:12	C1 1.76	0			Inspection		11-Sep-2012	11-Sep-2012		
Water Body Cl./							Data Entr		Jason Saly	•		
Navigabil. Cl./Ye			-0 00 T				Data Entr		22-Feb-2013			
Legal Land Loca					GE 21 W5	VI	Reviewer	-	Paul Carter			
Longitude, Latitu	lae)9:44, 55 		(\ 1 T)		Review D		26-Feb-2013			
Road Authority				portation	(ALL)			/iewer Name				
Contract Main. A		CMAC	3				Dept. Rev					
Clear Roadway/	Skew	10/	10040 (Δ \			Follow-Up					
AADT/Year			/ 2012 (Visual Ins	-	Y			
Road Classificat			213.4-12	20			CSE Test	•	Y			
Detour Length (I	(m)	40					Chloride		N			
Allowable Load	(t): Sir		S1 35 STRINGE	ER	Semi	CS2 61 STRING	_	Train C	S3 78 IRDER	> On Critical Spans >Critical Member		
Design Loading:		H	IS20							> Primary Span		
(Primary Span :				engths(m): 61-61-61	I)						
(Secondary Spa					•	,						
(Secondary Spa						3.5)						
(Total Length : 2						,						
	1.5-55	.5-01-0	51-01-55			enerate D		len				
						ast Now	eck Inspect	ion of Cond	ition			
Wearing Surfac	<u>م</u>				L	.asi 110W	Explanat					
Polymer? (Y/N				N								
ACP? (Y/N)	·/			N								
Chip Seal Coa	t? (Y/N	J)		N								
Polymer Rating	· · ·	· · · · · ·										
9-7	6/!		4	3	2/1	N/X	_					
Last		•										
Now 0		0	0	0	0	100						
ACP Rating (%	Area)	<u> </u>				100	_					
9-7	6/	5	4	3	2/1	N/X						
Last	0/(
Now 0		0	0	0	0	100						
Chip Seal Coat	Patin		-				-					
unp ocai oual	naum	1 (/0 ~	rea)									
9-7	6/5		4	3	2/1	N/X	_					
9-7			-	3	2/1	N/X	_					
9-7 Last			-	3	2/1	N/X	_					
9-7 Last 0	6/	0	4	0			_					
9-7 Last Now 0 Polymer Total	6/s	0 nded /L	4 0 ost Area	0 a (m²)		100 X						
9-7 Last 0 Now 0 Polymer Total ACP Total Del	6/5 Debor	0 nded /L	4 0 ost Area Area (m	0 a (m²) ²)		100 X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average	Debor Dondeo Measu	0 nded /L d /Lost ired De	4 0 ost Area Area (m	0 a (m²) ²)		100 X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Free	6/5 Debor pondeo Measu equeno	0 nded /L d /Lost ired De	4 ost Area Area (m epth (mm n ²)	0 a (m ²) ²)		100 X X X X X X						
9-7 Last 0 Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa	6/5 Debor pondeo Measu equeno t Total	0 nded /L d /Lost ired De	4 ost Area Area (m epth (mm n ²)	0 a (m ²) ²)		100 X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa Concrete Overl	Debor pondeo Measu equeno t Total ay	0 nded /L d /Lost ired De	4 ost Area Area (m epth (mm n ²)	0 a (m²) ²) h)		100 X X X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa Concrete Overl Overlay? (Y/N	Debor pondeo Measu equeno t Total ay	0 nded /L d /Lost ired De	4 ost Area Area (m epth (mm n ²)	0 a (m ²) ²)		100 X X X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa Concrete Overl Overlay? (Y/N Deck	Debor pondeo Measu equeno t Total ay	0 nded /L d /Lost ired De	4 ost Area Area (m epth (mm n ²)	0 a (m²) ²) h)		100 X X X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa Concrete Overl Overlay? (Y/N Deck (Span Type : D)	Debor pondeo Measu equent t Total ay	0 nded /L I /Lost rred De cy (m/n Lost A	4 ost Area Area (m epth (mm n ²)	0 a (m²) ²) h)		100 X X X X X X						
9-7 Last Now 0 Polymer Total ACP Total Del ACP Average ACP Crack Fre Chip Seal Coa Concrete Overl Overlay? (Y/N Deck	Debor pondeo Measu equend t Total ay) T) TS : 3, 4	0 nded /L d /Lost ared De cy (m/n Lost A	4 0 ost Area Area (m ²) Area (m ²)	0 a (m ²) 2) h) N		100 X X X X X X X						

Alberta Transportation

					Co	oncrete De	ck Inspection					
					La	ast Now	Explanation of	Condition				
(Area(n	m²) : 1830.(D)										
(Year C	Constructed	d : 2000)										
(Year V	Nidened :)											
(Thickn	ness(mm) :	150)										
(Averag	ge Cylindeı	r Strength	(MPa) :)									
		Туре					Size	Design Cover (mm)	Spacing (mm)			
Long. Re	einforcing	REINFC	RCING S	TEEL								
Trans. Re	einforcing	REINFC	RCING S	TEEL								
Deck To	p Rating (% Area)			_							
	9-7	6/5	4	3	2/1	N/X						
Last												
Now	0	100	0	0	0	0						
Total C	rack Lengt	h - Mediu	m/Wide (n	n)		272	Crack repiars h	ave been completed making	crack counting			
Total S	caled Area	ı - Light (n	1²)			0	chalenging. The	ere are random pop-outs alo	ng the deck top			
Total S	Scaled Area	- Modera	te/Heavy/	Severe (m	1²)	0						
Delami	inated Area	1 (m²)				149						
Spalled	d Area (m²)					0						
Patche	d Area (m ²)				7	Random patching					
Averag	je Measure	d Cover D	Pepth (mm	ı)		71						
Standa	rd Deviatio	on of Meas	sured Cove	er Depth (mm)	10						
Deck Un	derside Ra	ating (% /	Area)									
	9-7	6/5	4	3	2/1	N/X						
Last												
Now	0	60	0	0	0	40		ect the underside of span 4 d	ue to water levels in the			
Total S	Stained Area	a - Moder	ate (m²)			0	river.					
Total S	Stained Area	a - Heavy	/Severe (n	∩²)		0						
Total C	Crack Lengt	h - Mediu	m/Wide (n	n)		111	I here is transve	erse cracking in the deck und	derside.			
% of M	ledium/Wid	e Cracks	Stained			100						
(Span Ty	ype : RB)											
(Span I	Numbers :	1)										
(Deck	Туре : СО	ICRETE (MODIFIE	D SILICA	FUME, C	ORROSIO	N INHIBITOR))					
(Area(n	m²) : 213.0)											
(Year C	Constructed	d : 2000)										
(Year V	Nidened :)											
(Thickn	ness(mm) :)										
(Averag	ge Cylinder	r Strength	(MPa) :)									
		Туре					Size	Design Cover (mm)	Spacing (mm)			
Long. Re	einforcing											

					C	oncre	te De	ck Inspection		
								Explanation of Cond	ition	
Deck To	p Rating (% Area)	·							
	9-7	6/5	4	3	2/1	N/X	(
Last										
Now	0	100	0	0	0		0			
Total C	rack Leng	th - Mediu	m/Wide (r	n)			24	Transverse cracking r	epairs have been com	pleted, making it difficult
	Scaled Area						0	to get an accurate cra		
	caled Area	. .		Severe (n	1²)		0			
	inated Are		,	(,		32	-		
	d Area (m²						0	-		
	d Area (m						0	-		
	je Measure	·	Denth (mm				65	-		
	ard Deviation				(mm)		10	-		
	derside R				(11111)		10			
Deck OII	9-7	6/5	4	3	2/1	N/X	,	-		
Last	3-1	0/0	+	5	2/1	IN/A				
Now	0	100	0	0	0		0	1		
-	tained Are		-	U	0		0			
			. ,				-			
	stained Are						0	There is transverse cr	acking, mostly stained	l.
	Crack Leng			n)			58		3,,	
	ledium/Wio	de Cracks	Stained				90			
	ype : RG)									
	Numbers :									
· · ·			(MODIFIE	D SILICA	FUME, C	ORRO	osioi	N INHIBITOR))		
(Area(r	m²) : 670.0)								
(Year C	Constructe	d : 2000)								
(Year V	Nidened :)								
(Thickr	ness(mm)	: 150)								
(Avera	ge Cylinde	r Strength	(MPa) :)							
		Туре						Size	Design Cover (mm)	Spacing (mm)
Long. Re	einforcing	REINFO	ORCING S	TEEL						
Trans. R	einforcing	REINFC	ORCING S	TEEL						
Deck To	p Rating (% Area)								
	9-7	6/5	4	3	2/1	N/X	(
Last								-		
Now	0	100	0	0	0		0			
Total C	rack Leng	th - Mediu	ım/Wide (r	n)			118	Transverse cracking.	Crack repairs have be	en completed, making
	Scaled Area						0	accurate crack countir	ng difficult.	,, j
	Scaled Area			Severe (n	n²)		0	-		
	inated Are				.,		53	-		
	d Area (m ²	. ,					0	-		
	d Area (m						1	-		
		,	Donth (mm					-		
	e Measure				(100.000)		69			
	ard Deviation			er Depth ((nm)		12			
Deck Un	derside R			2	0/4	ND	,			
Last	9-7	6/5	4	3	2/1	N/X	•			
Last		100		-			0	Minor corrosion along	the bottom flanges of	the girders.
Now	0	100	0	0	0		0			
	stained Are		. ,				0			
	stained Are						0	There is transverse cr	acking along the deck	underside
	crack Leng			n)			143		acting along the debr	
% of M	ledium/Wio	de Cracks	Stained				95			

Edge Elements

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

						1	1	ck Inspection						
						Last	Now	Explanation	of Condition					
Curbs	. ,			Y										
-	ets? (Y/N)			N										
	ns? (Y/N)			N										
	alks? (Y/N)			N										
Curbs														
	Length(m)	: 542.6)												
	t(mm) :)												
	(mm) :)													
(Avera	ge Cylinde	r Strength	(MPa) :)		Size			1					
Reinforc	Reinforcement Type								Design Cover (mm)	Spacing (mm)				
								-						
Curb Ra	ting (% Le		1				/X	_						
	9-7 6/5 4				3 2/1			_						
Last								-						
Now	80	20	0	0	0		0	_						
	Crack Leng			n)			137	Transverse c	racking along the curbs.					
	Scaled Leng						0	_						
Total S	Scaled Leng	gth - Mode	erate/Heav	/y/Severe	(m)		0	_						
Delam	inated Leng	gth (m)					0	_						
Spalle	d Length (n	n)					0	_						
Patche	ed Length (m)					0							
Averaç	ge Measure	d Cover D	Depth (mm	ו)			85							
Standa	ard Deviatio	on of Meas	sured Cov	er Depth	(mm)		12							
Deck Jo	ints													
· · ·			O (WABO	UNDER F	INGEF	RORS	LIDING	B PLATES))						
(Numb	er of Joints	s : 4)												
(Expar	nsion / Fixe	d? : EXPA	ANSION)											
(Locat	ion : P1, P2	2, P3, P4)												
% Insp	ected						100	There are tears in the east pier joint. Other joints are fairly tight tears are hard to determine. Previous inspection 06-Jun-2009						
% Join	ts Leaks						25	indicated leakage in the west pier joint as well as the third pier						
% Join	t Length Le	eaks					10	from the west						
Supers	structure Da	amage Ra	ting				6							
Substr	ucture Dan	ago Patir	na				4							
	ucture Dan	lage Ralli	<u>'9</u>					-						
Level	1 Joint Rati		19				4							
		ng					4							
(Type : F	1 Joint Rati	ng .ATES)					4							
(Type : F (Numb	1 Joint Rati FINGER PL	ng .ATES) s : 1)					4							
(Type : f (Numb (Expar	1 Joint Rati FINGER PL per of Joints	ng .ATES) s : 1)					4							
(Type : f (Numb (Expar	1 Joint Rati FINGER PL ber of Joints histion / Fixe tion : A1)	ng .ATES) s : 1)					100	Water leaks of	onto the abutment.					
(Type : F (Numb (Expar (Locat	1 Joint Rati FINGER PL ber of Joints histion / Fixe tion : A1)	ng .ATES) s : 1)					1	Water leaks o	onto the abutment.					
(Type : I (Numb (Expar (Locat % Insp % Join	1 Joint Rati FINGER PL per of Joints nsion / Fixe ion : A1) pected	ng .ATES) s : 1) d? : EXPA					100	Water leaks o	onto the abutment.					
(Type : I (Numb (Expar (Locati % Insp % Join % Join	1 Joint Rati FINGER PL per of Joints nsion / Fixe ion : A1) pected its Leaks	ng .ATES) 5 : 1) d? : EXPA	ANSION)				100	Water leaks o	onto the abutment.					
(Type : F (Numb (Expar (Locat % Insp % Join % Join Supers	1 Joint Rati FINGER PL her of Joints hsion / Fixe ion : A1) hected hts Leaks ht Length Le	ng ATES) a: 1) d? : EXPA eaks amage Ra	ANSION)				100 100 100	Water leaks of Abutment is s						
(Type : I (Numb (Expar (Locat % Insp % Join % Join Supers Substr	1 Joint Rati FINGER PL per of Joints ison / Fixe ion : A1) pected its Leaks it Length Le structure Da	ng .ATES) 5 : 1) d? : EXPA eaks amage Ra nage Ratir	ANSION)				100 100 100 6	-						
(Type : I (Numb (Expar (Locati % Insp % Join % Join Supers Substr Level	1 Joint Rati FINGER PL per of Joints nsion / Fixe ion : A1) pected hts Leaks ht Length Leastructure Data ucture Data	ng .ATES) a: 1) d? : EXPA eaks amage Ratir ng	ANSION)	NSFLEX	ETC))		100 100 100 6 4	-						
(Type : I (Numb (Expar (Locat % Insp % Join % Join Supers Substr Level (Type : C	1 Joint Rati FINGER PL per of Joints ision / Fixe ion : A1) pected its Leaks it Length Le structure Dan ucture Dan 1 Joint Rati	ng ATES) ATES) ATES) ATES	ANSION)	NSFLEX	ETC))		100 100 100 6 4	-						
(Type : I (Numb (Expar (Locat % Insp % Join % Join Supers Substr Level (Type : C (Numb	1 Joint Rati FINGER PL per of Joints ision / Fixe ion : A1) pected its Leaks it Length Le structure Dat ucture Dat ucture Dat Joint Rati GLAND (W	ng ATES) ATES) ATES) ATES	ANSION) ating ng JER, TRA	NSFLEX	. ETC))		100 100 100 6 4	-						

Alberta Transportation

				Concr	ete Dec	k Inspection						
				Last	1	Explanation of	Condition					
% Inspected	I				100							
% Joints Leaks					25							
% Joint Length Leak	S				10							
Superstructure Dama					6							
Substructure Damag					4							
Level 1 Joint Rating	<u>o i toti ig</u>				4							
(Type : GLAND (WAB	O-MAUER, TR		SELEX. ETC))	1								
(Number of Joints : 1												
(Expansion / Fixed?	/											
(Location : A2)												
% Inspected					100	Water is looking past plumbing at the south and						
% Joints Leaks					100	Water is leaking past plumbing at the south end.						
% Joint Length Leaks					5							
Superstructure Dama					6							
Substructure Damag	• •				-	Abutment is sev	verly scaled w	ith exposed i	rehar			
	e Raing				4		eny sealed, w		ebai.			
Level 1 Joint Rating					4 CSE T	o o tin a						
Testing Date		10	5-Jun-2012		CSE TO		Testing Date	16-Jul-200				
Weather Information		TC.	-Jun-2012			Flevious	Testing Date	10-Jui-200	19			
Temperature (°C)		19										
Conditions			, unny									
Equipment Information		5	анну									
Test Equipment Mak		C	orexco CDL - 2		512							
Electrical Ground Lo			DD, third deck j			oct						
Type	cation and	''	DD, third deck jo		in the wo	851						
Measurement Location	ons Informatio	n										
Origin for Data		sc	outh west									
		Νι	ımber			Length of Each	n (m)	Length	of Last (m)			
X Increments (Length)	11	3			1.219		1.200				
Y Increments (Width)		9				1.219		0.300				
CSE Results						-						
Span Numbers		1,	2,3,4,5,6									
Span Type		D	T, RB, RG									
Wearing Surface		-		DIFIE	D SILIC	A FUME, CORR	OSION INHIB	ITOR)				
Testing % Deck Area Year 0 to -0.1 V	 % Deck Are < -0.1 to -0.1 	a	% Deck Area < -0.2 to -0.3 V	% De	ck Area to -0.4	% Deck Area < -0.4 V	Avg. Deck Reading (V)	Stnd. Dev. Deck Reading	Avg. Curb Reading (V)	Stnd. Dev. Curb Reading		
2012 0.2	11.3		49.1	31.1		8.3	-0.281	0.094	-0.295	0.082		
2009 0.0	15.0		53.0	27.0		5.0	-0.266	-0.084	-0.295	-0.083		
2009 0.0 2008 0.0	6.0		47.0	40.0		7.0	-0.200	0.083	-0.266	0.073		
CSE Prediction Model year Rehab Start Year	Optimum 5	20)15	- - 0.0		1.0	0.200	0.000	0.200	0.075		
Comments		-										
Comments												

		Mainte	enance Reco	ommenda	ations					
Inspector Recommendations	Year	Inspector Comments			Department Comme		Target Year	Est. Cost	Cat #	
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS	_									
WASHING	_									
CRACK REPAIRS/TREATMENT										
PATCH CURBS/PARPETS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (%) 38.9		Sufficiency Rating	(%)	36.1	E	Est Repl Ye	ar	2044		
Level 1 Insp Date 03-Dec-2012	Next L	evel 1 Insp Date	03	3-Sep-20	14 Current Leve	el 1 Insp Cy	cle (Default) (I	Months)	21	
Special Comments for Next Insp Mon	Ionitor headslope movement and scour at SE headslope/pier. Ionitor concrete pier abrasion.									
IVION	or concret	e pier abrasion.		pe/pier.						
Snooper? (Y/N) No Lift? (or concret	e pier abrasion.	Control? (Y/N		Boat? (Y/N)		No I	_adder? (Y/N)	No	
Snooper? (Y/N) No Lift? (or concret	e pier abrasion. No Traffic			Boat? (Y/N)		No I	_adder? (Y/N)	No	
Snooper? (Y/N)NoLift? (NoOther Special RequirementsConvCommentsConv	or concret /N)	e pier abrasion. No Traffic	Control? (Y/N	N) Yes	Boat? (Y/N)	16-Jul-2		_adder? (Y/N)	No	
Snooper? (Y/N)NoLift? (NoOther Special RequirementsConvCommentsPrevious Level 2 Inspector's NameJasc	or concret /N) erted from	e pier abrasion. No Traffic	Control? (Y/N	N) Yes Previous L				Ladder? (Y/N)	No	
Snooper? (Y/N)NoLift? (NoOther Special RequirementsConvCommentsPrevious Level 2 Inspector's NameJasc	or concret /N) erted from n Saly	e pier abrasion. No Traffic	Control? (Y/N	N) Yes Previous L	evel 2 Insp Date			_adder? (Y/N)	No	
Snooper? (Y/N) No Lift? (No Other Special Requirements Converte Comments Previous Level 2 Inspector's Name Jasc Next Level 2 Insp Date 11-S	or concret /N) erted from n Saly	e pier abrasion. No Traffic	Control? (Y/N	N) Yes Previous L Discontinu evel 2 Ins	evel 2 Insp Date e Level 2 Insp? (Y/N	l) No		_adder? (Y/N)	No	
Snooper? (Y/N)NoLift? (NoOther Special RequirementsConvCommentsPrevious Level 2 Inspector's NameJascNext Level 2 Insp Date11-SLevel 2 Insp Previously Completed16Detailed Report/Diagram? (Y/N)Yes	or concret /N) erted from n Saly ep-2016	e pier abrasion. No Traffic	Control? (Y/N P D Lu (N	N) Yes Previous L Discontinu evel 2 Ins Months)	evel 2 Insp Date e Level 2 Insp? (Y/N sp Cycle (Default)) No 48		Ladder? (Y/N)	No	
Snooper? (Y/N)NoLift? (NoOther Special RequirementsConvCommentsConvPrevious Level 2 Inspector's NameJascNext Level 2 Insp Date11-SLevel 2 Insp Previously Completed16Detailed Report/Diagram? (Y/N)YesLevel 2 Insp CommentsBear	or concret /N) erted from n Saly ep-2016	e pier abrasion. No Traffic CDIS east pier are deforming at o	Control? (Y/N P D Lu (N	N) Yes Previous L Discontinu evel 2 Ins Months) ting that t	evel 2 Insp Date e Level 2 Insp? (Y/N sp Cycle (Default)) No 48	009	_adder? (Y/N)		