1	Level 2 Inspection - Concrete Deck														
Bridge F	ile Number	7594	6 -1 Brid				Form Type	e		CDK					
Year Bui Supstr	lt/Year	1968	/1968				Lot No.	Nomo		lason Salu					
Bridge of	r Town Nan	ne PEA	CE RIVE	R				Inspector							
Located	Over	90 S	TREET II	RIVER;9	4 STR	REET	Assistant	Namo		BR CLS A					
		IN P WAT	EACE RI	VER;PEA ST	CE RIVE	R, 8.10	0,	Assistant	Class						
Located	On	2:62	C1 0.311					Inspection	Date		12-Sep-2012				
Water Bo	ody CI./Yea	r						Data Entry	/ Ву		Jason Saly				
Navigabi	il. Cl./Year							Data Entry	/ Date		27-Feb-2013				
Legal La	nd Locatior	n SE S	SEC 31 T	WP 83 RC	GE 21 W5	5M		Reviewer	Name		Paul Carter				
Longitud	e, Latitude	-117	:18:16, 56	6:14:24				Review Da	ate		28-Feb-2013				
Road Au	thority	Albe	rta Trans	portation ((AIT)			Dept. Rev	iewer N	ame					
Contract	Main. Area	CMA	.04					Dept. Rev	iew Dat	е					
Clear Ro	adway/Ske	w 8.5/						Follow-Up	Ву						
AADT/Ye	ear	16,8	90 / 2012	(A)				Visual Ins	pection?	?	Y				
Road Cla	assification	RAU	-213.0-12	20				CSE Testi	ng?		Υ				
Detour L	ength (km)	40						Chloride T	esting?		Ν				
Allowable	e Load (t):	Single			Semi				Train		> On Critical Span >Critical Member				
Design L	.oading:		HS20									>	Primary Span		
(Primary Span : SSA, Spans: 4,5,6,7, Lengths(m): 124.7-124.7-124.7-92.4)															
(Seconda	(Secondary Span : RB, Spans: 1,2,3,8, Lengths(m): 19.8-28.6-29.2-29)														
(Total Le	(Total Length : 19.8-28.6-29.2-124.7-124.7-124.7-92.4-29 = 573.1)														
	Concrete Deck Inspection														
						Last	Now	Explanati	on of C	ondi	tion				
Wearing	Surface														
Polyme	er? (Y/N)			Y											
ACP?	(Y/N)			N											
Chip S	eal Coat? (Y/N) 		Y						•	-				
0		Type				• -		Year Installed	d	Avg.	Total Thickness (r	nm)	Area (m ²)		
Sear Coa	il Poting (%			L CHIP S	EALCO	41	·	2008					4871.4		
Polymer	Rating (%	Alea)	1	3	2/1	N	/¥	_							
Last	<u> </u>	0/0		5	2/1		//								
Now	0	0	0	0	0		100								
ACP Rat	ting (% Are	a)													
	9-7	6/5	4	3	2/1	N	/X								
Last															
Now	0	0	0	0	0		100								
Chip Sea	al Coat Rat	ing (% A	Area)												
	9-7	6/5	4	3	2/1	N	/X								
Last															
Now	0	90	10	0	0		0	_							
Polyme	er Total Del	oonded /	Lost Area	a (m²)			150	0							
ACP T	otal Debon	ded /Los	t Area (m	2)			X								
ACP A	verage Mea	asured D	epth (mm	ו)			X	_							
ACP C	rack Frequ	ency (m/	m²)				X								
Chip S	eal Coat To	otal Lost	Area (m ²))			18	Random a	ireas of	iost s	seal coat. Some are	eas w	eraing smooth.		
Concret	e Overlay														
Overla	y? (Y/N)			Y											
(Span Ty	ype : RB)														
(Span	Numbers :	1, 2, 3, 8)												
	(Overlay type : CONCRETE (HIGH DENSITY))														

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

75946 -1 Bridge

	Concrete Deck Inspection														
					La	ast	Now	Explanation of Cond	ition						
(Area(m²) : 906.1)														
(Year	Installed : 1	982)													
(Thick	ness(mm) :	50)													
(Avera	age Cylinder	Strength	(Mpa) :)												
Overlay	Rating (%	Area)						_							
	9-7	6/5	4	3	2/1	<u> </u>	I/X	Covered by epoxy and a chip seal coat wearing surface.							
Last															
Now	0	0	0	0	0		100								
Total (Crack Lengt	h - Mediur	m/Wide (n	n)			N								
Total S	Scaled Area	- Light (m	1²)				N								
Total S	Scaled Area	-Moderat	e/Heavy/S	Severe (m [:]	²)		N	_							
Debor	nded Area (r	n²)					18	_							
Spalle	d Area (m²)						N	_							
Patche	ed Area (m ²))					N	_							
Avera	ge Measure	d Cover D	epth (mm	ı)			110								
Standa	ard Deviatio	n of Meas	ured Cov	er Depth (mm)		16								
(Span T	ype : SSA)														
(Span	Numbers :	4, 5, 6, 7)													
(Overl	ay type : CC	NCRETE	E (HIGH D	ENSITY)											
(Area(m²) : 3965.3	8)													
(Year	Installed : 1	982)													
(Thick	ness(mm) :	50)													
(Avera	age Cylinder	Strength	(Mpa) :)												
Overlay	Rating (%	Area)						_							
	9-7	6/5	4	3	2/1	<u> </u>	I/X	_							
Last															
Now	0	0	0	0	0		100	Covered with epoxy a	nd a chip seal coat we	aring surface.					
Total (Crack Lengt	h - Mediur	m/Wide (n	n)			N	_							
Total S	Scaled Area	- Light (m	1²)				N	_							
Total S	Scaled Area	-Moderat	e/Heavy/S	Severe (m [:]	²)		N	_							
Debor	nded Area (r	n²)					18								
Spalle	d Area (m²)						N	_							
Patche	ed Area (m ²))					N								
Avera	ge Measure	d Cover D	epth (mm	ı)			112								
Standa	ard Deviatio	n of Meas	ured Cov	er Depth (mm)		10								
Deck															
(Span T	ype : RB)														
(Span	Numbers :	1, 2, 3, 8)													
(Deck	Type : CON	ICRETE (CLASS C))											
(Area(m²) : 906.1)														
(Year	Constructed	: 1968)													
(Year	Widened :)														
(Thick	ness(mm) :	150)													
(Avera	age Cylinder	Strength	(MPa) :)												
		Туре	. ,					Size	Design Cover (mm)	Spacing (mm)					
										/					
Long. R	Reinforcing REINFORCING STEEL 10 40 450														

Concrete Deck Inspection											
					La	st	Now	Explanation of Conc	lition		
Deck To	p Rating (% Area)									
	9-7	6/5	4	3	2/1	N/.	Χ				
Last											
Now	0	0	0	0	0		100				
Total (Crack Leng	th - Mediu	ım/Wide (r	n)	·		N	-			
Total S	Scaled Area	a - Light (n	n²)				N	-			
Total S	Scaled Area	a - Modera	, ate/Heavv/	Severe (m	12)		N	-			
Delam	inated Are	$a (m^2)$	ato/11001y/		.,		N	-			
Spallo		a (III-)						-			
Dotob)						-			
Patone	eu Alea (III	*) ad Cavar 5	Davath (man					-			
Avera	ge Measure		Jeptn (mr	1) D (1 (N	-			
Standa	ard Deviation	on of Meas	sured Cov	er Depth (mm)		N	-			
Deck Ur	nderside R	ating (% I	Area)	-				_			
	9-7	6/5	4	3	2/1	N/.	X	-			
Last	_							-			
Now	0	100	0	0	0		0		n the deals underside	Diata balaw anaw grata	
Total S	Stained Are	ea - Moder	ate (m ²)				1	significantly corroded	n the deck underside.	Plate below show grate	
Total S	Stained Are	a - Heavy	/Severe (r	n²)			0				
Total C	Crack Leng	th - Mediu	ım/Wide (r	n)			75	_			
% of N	ledium/Wio	de Cracks	Stained				35				
(Span T	ype : SSA)									
(Span	Numbers :	4, 5, 6, 7))								
(Deck	Type : CO	NCRETE ((CLASS C	;))							
(Area(m²) : 3965.	3)									
(Year	Constructe	d : 1968)									
(Year)	Widened ·)									
(Thick	ness(mm)	/ · 150)									
		r Strongth	(MP_{2})								
(Avera			i(ivira).)					Sizo	Design Cover (mm)	Spacing (mm)	
Lang D								10			
Long. R	einforcing	REINFC						10	40	450	
Irans. k	teinforcing		DRCING S	IEEL				15	40	125	
Deck To	p Rating (% Area)		-				_			
	9-7	6/5	4	3	2/1	N/.	X	-			
Last								-			
Now	0	0	0	0	0		100	_			
Total (Crack Leng	th - Mediu	ım/Wide (r	n)			N	_			
Total S	Scaled Area	a - Light (n	n²)				N	-			
Total S	Scaled Area	a - Modera	ate/Heavy/	Severe (m	1²)		N	_			
Delam	inated Are	a (m²)					N				
Spalle	d Area (m ²)					N				
Patche	ed Area (m	2)					N	-			
Avera	ge Measure	ed Cover D	Depth (mm	າ)			N	-			
Standa	ard Deviation	on of Meas	sured Cov	, er Depth (mm)		N	-			
Deck Underside Rating (% Area)								-			
DOOR OF	9-7	6/5	4	3	2/1	N/	'X	-			
Last						14/.	~	-			
Now	0	10	0	0	0		90	Could only increat the	a underside from the h	anke	
Total	Stained Are		(m_2)	U	U		0			anns.	
Total	Stained Are			22)			0	-			
				n-)			0	Transverse cracking.	generally located alon	g the underside of the	
Total C	Jrack Leng	in - Mediu	in/vvide (r	n)			35	sidewalk.	-	-	
∣ % of N	/ledium/Wig	te Cracks	Stained				95				

Edge Elements

	Concrete Deck Inspection															
								Last	Now	Explanation	of Condition					
Curbs?	Curbs? (Y/N) N															
Parape	ets? (Y/N)			Y												
Medians? (Y/N)																
Sidewa	alks? (Y/N)			Y												
Parapets	S									1						
Parapet	Rating (%	Length)								-						
	9-7	6/5	4		3	2/	1	<u> </u>	N/X	-						
Last	0	75	0.4							-						
NOW	Now 0 75 24 1 0								0							
	Tack Leng	in - Mediur	m/vvide	: (m)					1203	to heavy scal	cal cracking along the par ling. There are rondom sc	apets. There are areas of light alls, some spalls have				
	scaled Leng	gth - Light	(m)		<u>/</u>	()			139	exposed reba	ar.					
Total S	scaled Leng	gth - Mode	rate/He	eavy	/Sever	e (m)			38	-						
Delami	inated Leng	gth (m)							5	_						
Spalled	d Length (n	n)							7.2	-						
Patche	d Length (m)							0	-						
Averag	je Measure	d Cover D	epth (n	nm)					53	_						
Standa	ard Deviatio	on of Meas	sured C	over	Depth	n (mm	1)		12							
Sidewalks																
(Type:		TE)														
(Total I	Length(m)	: 573.1)														
(Heigh	t(mm) :)														
(Width	(mm):)															
(Average Cylinder Strength(MPa):)																
Reinforcement Type S								Size			Design Cover (mm)	Spacing (mm)				
										1						
Sidewall	K Rating (%	lengtn)	4		<u> </u>		4			-						
Lact	9-7	0/5	4		3	2/	1	[N/X	-						
Lasi	0	80	15		5	_	0		0							
Total (rack Lengt	b - Mediur	m/\/ide	(m)	5		0		726	There is transverse and rondom cracking along the outside edge of the sidewalk there are areas of light to heavy scaling along the						
Total S	Scaled Area	a = 1 ight (m	2)	, (III)					125							
Total S		- Modera	to/Hoo	n/9	ovoro	(m_2)			6	sidewalk.						
Delami	inated Area	$a - m(m^2)$	le/i lea	vy/O	evere	(111-)			2	Not required to take cover measurements along the sidewalk.						
Spollor	$d Area (m^2)$	a (111-)														
Detebo		<u> </u>							02							
Average) d Cover D	anth (r	~~~)					02							
Averag			eptn (n	nn) 	Dawth				IN NI							
Standa Deels Je		on or meas	urea C	over	Depti	1 (1111	1)		IN							
						•••										
(Type . C						()										
(Numb (Expan	ei or Joints	d2 · EIVER	ער)													
(Expai)													
	ootod	•, FO)							100							
% Insp									100	Could not det	ermine pier joint leakage	due to night time testing and				
% JOIN	t on othe Lo								IN NI	height of brid	ge.					
% JOIN			41							-						
Supers	structure Da	amage Ra	ting						5	Abutments b	we been repaired Piers	are currently under repair				
Substr	ucture Dan	lage Ratin	ig						5		ave been repaired. Fiels a	no ourrenuy unuer repair.				
	Joint Rati								5	<u> </u>						
(Type : F	INGER PL	ATES)														
(Numb	er of Joints	(3)	Notes	•												
(Expan	ISION / FIXE	a?:EXPA	NSION)												
(Locati	on : P3. P5), P7)														

Alberta Transportation

	Concrete Deck Inspection													
			Last	Now	Explanation of	Condition								
% Inspected				100										
% Joints Leaks			N	to night time t	esting and									
% Joint Length Leaks				N										
Superstructure Damage Rating				5										
Substructure Damage Rating				5 Pier repairs currently underway.										
Level 1 Joint Rating				5	5									
(Type : WATER STOP)														
(Number of Joints : 1)														
(Expansion / Fixed? : FIXED)														
(Location : A1)														
% Inspected				0	Covered by chi	oseal coat.								
% Joints Leaks				0										
% Joint Length Leaks				0										
Superstructure Damage Rating				5										
Substructure Damage Rating				5	Abutment has been repaired.									
Level 1 Joint Rating				N										
				CSE T	esting									
Testing Date	14-	Jun-2012			Previous	Testing Date	17-Jul-200	9						
Weather Information														
Temperature (°C)	17													
Conditions	Cle	ar												
Equipment Information														
Test Equipment Make and Model	Cor	rexco CDL - 20	00 EA/5	512										
Electrical Ground Location and Type	1AE	3, second spai	second span from the west abutment											
Measurement Locations Informati	on													
Origin for Data	sou	ith west												
	Nun	nber			Length of Eac	h (m)	Length	of Last (m)						
X Increments (Length)	200	1			1.219 1.200									
Y Increments (Width)	7				1.219 1.200									
CSE Results														
Span Numbers	1,2,	,3,4,5,6,7,8												
Span Type	RB,	, SSA												
Wearing Surface	CO	NVENTIONAL	CHIP	SEAL C	OAT, CONCRE	TE (HIGH DE	NSITY)							
Testing Year% Deck Area 0 to -0.1 V% Deck Area < -0.1 to -0 	ea % .2 < V	% Deck Area < -0.2 to -0.3 /	% Dec < -0.3 V	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 0.0 6.0	2	28.9	47.9		17.2	-0.330	0.092	-0.515	0.083					
2009 0.0 10.0	10.0 56.0		32.0		2.0	-0.274	-0.075	-0.494	-0.068					
2005 0.0 4.0	4	1.0	49.0		6.0	-0.309	0.086	-0.473	0.080					
CSE Prediction Model Optimum 5 year Rehab Start Year	201	4												
Comments														

		Maint	tenance Re	commend	ations						
Inspector Recommendations	Year	Inspector Comments		Depart	tment Comm	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.)	Sufficiency Rating	35.1			Est Repl Ye	2043				
Level 1 Insp Date 06-Dec-20	1 Next L	evel 1 Insp Date		06-Sep-2013 Current Level 1 Insp Cycle (Defa					fault) (Months) 21		
Special Comments for Next Insp O O M	Inderside for deterioration- n at West river bank. e sidewalk deterioration.	span 1 and	8.								
Snooper? (Y/N) No Lift'	? (Y/N)	No Traffic	Control? (Y	//N) Yes		Boat? (Y/N)	No	Ladder? (Y/N)	No	
Other Special Requirements C Comments	onverted from	CDIS									
Previous Level 2 Inspector's Name Ja	ison Saly			Previous Level 2 Insp Date 17-Jul-2009							
Next Level 2 Insp Date 12	2-Sep-2016			Discontinue Level 2 Insp? (Y/N) No							
Level 2 Insp Previously Completed 10)		Level 2 In (Months)	sp Cycle	e (Default)						
Detailed Report/Diagram? (Y/N) Y	es										
Level 2 Insp Comments da	amaged bridg	erail along the south parap	et on span	1							
Next Level 2 Inspection/Test C	oncrete Deck	Insp? (Y/N)	Yes	CSE Testing? (Y/N) Yes					Chloride Testing? (Y/N)	No	
Department Reviewer Comments											