Alberta Transportation		Bridge	•	tion & Maint		`	2000)		75932 - 1 Bridge			
Bridge File Number	75932	2 -1 Bridge	Level 2	2 Inspectio	n - Concret Form Type		CDK					
Year Built/Year	1966/				Lot No.		ODIT					
Supstr Bridge or Town Name	COCH				Inspector I		Jason S					
Located Over		R1 0.001;1:08 L1 0.0	02		Inspector (Assistant N		BR CLS	S A				
Located On	22:14	L1 40.736;22:14 R1	40.736		Assistant (
Water Body Cl./Year					Inspection		30-May	30-May-2012				
Navigabil. Cl./Year					Data Entry	[,] Ву	Jason S	Saly				
Legal Land Location	SW SI	EC 35 TWP 24 RGE	4 W5M		Data Entry		27-Feb-					
Longitude, Latitude	-114:2	28:01, 51:05:12			Reviewer I	Name	Paul Ca	arter				
Road Authority	Albert	a Transportation (Al	T)		Review Da	ate	28-Feb	2013				
Contract Main. Area	CMA2	28			Dept. Revi	ewer Nan	ne Tim Da	vies				
Clear Roadway/Skew	9.1 /				Dept. Revi	ew Date	25-Mar-	2013				
AADT/Year	9,690	/ 2011 (A)			Follow-Up							
Road Classification	RAU-2	209-110			Visual Insp		Υ					
Detour Length (km)	9				CSE Testi		Υ					
					Chloride T	Chloride Testing?		N				
Allowable Load (t): Sin	igle C	CS1 50 GIRDER	Semi	CS2 64 GIRDER		Train	CS3 82 GIRDER		> On Critical Spans >Critical Member			
Design Loading:	Н	1S20							> Primary Span			
(Primary Span : RB, S	pans: 1	1,2,3,4, Lengths(m)	: 13.4-26	6.8-26.8-13.	4)							
(Total Length : 13.4-26	.8-26.8	3-13.4 = 80.4)										

(Total Length : 13.4-26.8-26.8-	-13.4 = 8	0.4)												
				Conc	rete De	eck Inspection								
				Last	Now	Explanation of C	ondition							
Wearing Surface														
Polymer? (Y/N)	\	Y												
ACP? (Y/N)	N													
Chip Seal Coat? (Y/N)	Υ													
Type					\	ear Installed	Avg. Total Thickness (mm)	Area (m²)						
Seal Coat CONVEN	NTIONAL	CHIP SE	AL COA	·Τ	1	994		735.2						
Polymer Rating (% Area)														
9-7 6/5	4	3	2/1	N	I/X									
Last														
Now 0 0	0	0	0		100	Gravel along the	gutters.							
ACP Rating (% Area)														
9-7 6/5	4	3	2/1	N	I/X									
Last														
Now 0 0	0	0	0		100									
Chip Seal Coat Rating (% Ar	ea)													
9-7 6/5	4	3	2/1	N	I/X									
Last														
Now 0 90	10	0	0		0									
Polymer Total Debonded /Lo	ost Area ((m²)			94		There are transverse cracks reflecting through the chip seal coat.							
ACP Total Debonded /Lost A	Area (m²)				X	Minor loss of chip	s along the deck joints.							
ACP Average Measured Dep	pth (mm)				X									
ACP Crack Frequency (m/m	2)				X									
Chip Seal Coat Total Lost A	rea (m²)				17									
Concrete Overlay														

Υ Overlay? (Y/N)

(Span Type : RB)

(Span Numbers : 1, 2, 3, 4)

(Overlay type : CONCRETE (HIGH DENSITY))

(Area(m²): **735.2**)

Sidewalks? (Y/N)

N

Concrete Deck Inspection Last Now Explanation of Condition													
					L	ast	Now	Explanation of Cond	ition				
(Year	Installed : 1	984)											
(Thick	ness(mm):	50)											
(Avera	age Cylinde	r Strength	(Mpa) :)										
Overlay	Rating (%	Area)						_					
	9-7	6/5	4	3	2/1	N/	/X	_					
Last								0					
Now	0	0	0	0	0		100	Covered by an epoxy	overlay and a chip sea	al coat wearing surface.			
Total (Crack Leng	th - Mediu	m/Wide (m)			N	_					
Total	Scaled Area	a - Light (n	1 2)				N	_					
Total	Scaled Area	a -Moderat	te/Heavy/	Severe (m	2)		N	_					
Debor	nded Area (m²)					0	_					
Spalle	d Area (m²)						N	_					
Patch	ed Area (m²	2)					N	_					
Avera	ge Measure	ed Cover D	Depth (mr	n)			129	_					
Stand	ard Deviation	on of Meas	sured Cov	ver Depth (mm)		13						
Deck													
(Span T	ype : RB)												
(Span	Numbers :	1, 2, 3, 4)											
(Deck	Type : COI	NCRETE (CLASS	C))									
(Area((m²) : 735.2))											
(Year	Constructe	d : 1966)											
(Year	Widened:)												
(Thick	ness(mm):	150)											
(Avera	age Cylinde	r Strength	(MPa) :)										
		Туре						Size	Design Cover (mm)	Spacing (mm)			
Long. R	einforcing	REINFO	RCING	STEEL									
(Average Cylinder Strength(MPa) :) Type Long. Reinforcing REINFORCING STEEL Trans. Reinforcing REINFORCING STEEL Deck Top Rating (% Area) 9-7 6/5 4 3 2/1								-					
	9-7	6/5	4	3	2/1	N/	/X	-					
Last													
Now	0	0	0	0	0		100	-					
			•	m)			N	-					
(Average Cylinder Strength(Mpa):) Overlay Rating (% Area) 9-7 6/5 4 3 Last Now 0 0 0 0 Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area (m²) Debonded Area (m²) Patched Area (m²) Average Measured Cover Depth (mm) Standard Deviation of Measured Cover Depth (m Deck (Span Type: RB) (Span Numbers: 1, 2, 3, 4) (Deck Type: CONCRETE (CLASS C)) (Area(m²): 735.2) (Year Constructed: 1966) (Year Widened:) (Thickness(mm): 150) (Average Cylinder Strength(MPa):) Type Long. Reinforcing REINFORCING STEEL Trans. Reinforcing REINFORCING STEEL Deck Top Rating (% Area) 9-7 6/5 4 3 Last Now 0 0 0 0 Total Crack Length - Medium/Wide (m) Total Scaled Area - Light (m²) Total Scaled Area - Moderate/Heavy/Severe (m²) Delaminated Area (m²) Spalled Area (m²) Patched Area (m²) Patched Area (m²) Patched Area (m²) Patched Area (m²) Standard Deviation of Measured Cover Depth (m) Standard Deviation of Measured Cover Depth (m)				N	_								
	(Average Cylinder Strength(Mpa) :) (Average Rating (% Area) 9-7 6/5 4 3 3 3 4 3 4 4 3 4 4			12)		N	_						
Delam	Overlay Rating (% Area)					N							
Spalle	d Area (m²)						N	_					
		•					N	_					
Avera	ge Measure	ed Cover D	Depth (mr	n)			N	_					
				ver Depth (mm)		N						
Deck U		ating (% A	Area)		1			_					
	9-7	6/5	4	3	2/1	N/	/X			lerside and many of the			
								undersides of the dec	nere is staining and sca k and curbs. There is r	minor spalling along the			
				0	0		0	top flanges. There is s	spalling in the deck und s. Slight sag along the	derside at the northwest			
							10	corrosion along the bo	ottom flanges along wit	th some high load			
Total	Stained Are	a - Heavy	/Severe (m²)			0	scrapes.					
Total (Crack Leng	th - Mediu	m/Wide (m)			150	_					
		le Cracks	Stained				80						
Edge El	ements												
Now													
				N									
Media	ns? (Y/N)			N									

							Cond	crete Dec	ck Inspection					
							Last		Explanation	of Condition				
Curbs			<u> </u>											
(Type:	CONCRE	TE)												
	Length(m):		8)											
•	t(mm) :)												
(Width)		,												
	ge Cylinde	r Stra	nath(MPa)		١									
	ement Type		rigui(ivii a)	•)		Size			Design Cover (r	nm)	Spacing (mm)		
1.GIIIIOIC	ешеш турс	<u> </u>					3126			Design Cover (i	11111)	Spacing (min)		
Curb Bo	ting (% Le	nath)												
Curb Ka	9-7	6/5	4		3	2/1		N/X						
Loot	9-7	0/5	4		3	2/1		N/A						
Last	45	_			0				There is grave	el build-up along	the tops of t	the curbs. The	e are	
Now	45	5			, 0	0		50	transverse cra	acks visible.	10 10 0. 1		- u. c	
	Crack Lengt			le (m	1)			36						
	Scaled Leng							2						
	Scaled Leng			leav	y/Severe	(m)		0						
	inated Lenç	•	1)					0						
Spalled	d Length (m	n)						0.1						
Patche	ed Length (r	m)						0						
Averag	ge Measure	d Cov	ver Depth	(mm))			119						
Standa	ard Deviatio	n of N	Measured	Cove	er Depth (mm)		8						
Deck Joi	ints													
(Type : F	INGER PL	ATES	S)											
	er of Joints		•											
•	nsion / Fixe		XPANSIC	N)										
	on : A1, A 2													
% Insp		_,						100	The fingers al	ong the joints ha	ve a vertical	l miss-alignme	nt (up to	
	ts Leaks							100	The fingers along the joints have a vertical miss-alignment (up to 10mm) and are almost tight together. Joint plumbing is full of debrwater is leaking past onto abutment seats. Water is leaking past c					
	t Length Le	nake.						15	water is leakir cover plates.	ng past onto abu	tment seats.	. Water is leaki	ng past curb	
			o Doting					4	cover plates.					
•	structure Da													
	ucture Dam		Rating					6						
Level 1	I Joint Ratii	ng						4						
	_							CSE T			.			
Testing				3	0-May-20)12			Previou	us Testing Date	14-Aug-20	007		
	Information	on			_									
· ·	erature (°C)				3									
Conditi				S	Sunny									
	ent Informa													
	quipment M			С	Corexco C	DL - 2	00 E	V/512						
	cal Ground	Loca	tion and	1	DJ, Sout	n abutr	ment							
Туре	mant Lag	-ti-n-	- Informat	ian										
	ement Loca	ations	Simorma		outh cost									
Origin	for Data				outh east									
					umber					Length of Each (m) Length of Last (m)				
	ments (Len	-		6					1.219					
	ments (Wid	ith)		9					1.219		1.200			
CSE Res														
•	Numbers				,2,3,4									
Span T					RB									
Wearin	ng Surface			C	ONVEN	ΓΙΟΝΑΙ	L CHI	P SEAL (COAT, CONCE	RETE (HIGH DE	NSITY)			
Testing Year	% Deck A 0 to -0.1 \		% Deck A < -0.1 to - V		% Deck < -0.2 to V			eck Area 3 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		5.3		50.5		36.1		8.1	-0.304	0.084	-0.490	0.065	
									-	-		-		

	CSE Testing									
2007	0.0	4.0	44.0	42.0	11.0	-0.322	0.089	-0.494	0.062	
2002	0.0	7.0	40.0	43.0	9.0	-0.315	0.088	-0.458	0.070	
	diction Model O ab Start Year	ptimum 5 2	017							
Commen	ts									

		Main	tenance Recor	mmenda	ntions							
Inspector Recommendations	Year	Inspector Comments			Department C	ommer	nts			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 (%) 5	55.6	Sufficiency Rating	j (%)	55.0		Es	st Repl Y	ear		2028		
Level 1 Insp Date 13-Feb-2	2012 Next L	evel 1 Insp Date	13	-Nov-20	13 Currer	nt Level	1 Insp (Cycle (D	efault) (M	fonths)	21	
Special Comments for Next Insp												
Snooper? (Y/N) No L	ift? (Y/N)	No Traffic	Control? (Y/N)	Yes	Boat?	(Y/N)		No	L	adder? (Y/N)	No	
Other Special Requirements Comments				·	·			·				
Previous Level 2 Inspector's Name	Jason Saly		Pr	evious L	evel 2 Insp Da	te	14-Aug	j-2007				
Next Level 2 Insp Date	30-May-2016		Dis	scontinue	e Level 2 Insp	? (Y/N)	No					
Level 2 Insp Previously Completed	12			evel 2 Insp Cycle (Default) 48 Months)								
Detailed Report/Diagram? (Y/N)	Yes											
Level 2 Insp Comments	Steel rail media	n is in good condition on t	he bridge, but t	here are	4 damaged po	osts at	the south	approa	ach.			
Next Level 2 Inspection/Test	Concrete Deck	Insp? (Y/N)	No	CSE	Testing? (Y/N)		No		Chloride	Testing? (Y/N)	No	
Department Reviewer Comments												