Deck

(Span Type : WG) (Span Numbers : 1, 2)

(Deck Type : CONCRETE (CLASS C))

Alberta Transportation	า	Bridge Inspection & Maintenance System (Web 2005)								76187 -1 Bridge		
				Level 2	! Inspe	ctio	n - Concret	e Deck				
Bridge File Number	7618	7 -1 Bridg	je				Form Type			CDK		
Year Built/Year	1967/	1967					Lot No.					
Supstr							Inspector N	lame		Jason Saly		
Bridge or Town Name							Inspector C	Class		BR CLS A		
Located Over			;3:09 L1 1.9		405		Assistant N	lame				
Located On	1422	1:02 R1 C	).195;14221	:02 L1 0.	195		Assistant C	lass				
Water Body Cl./Year							Inspection	Date		07-Sep-2012		
Navigabil. Cl./Year	NNA/ C		/D 0 D 0 E 0	0.14/484			Data Entry	Ву		Jason Saly		
Legal Land Location			/P 9 RGE 2	2 VV4IVI			Data Entry	Date		22-Jan-2013		
Longitude, Latitude		52:09, 49		<b>-</b> \			Reviewer N	lame		Paul Carter		
Road Authority			ortation (Al	1)			Review Da	te		26-Feb-2013		
Contract Main. Area	CMA						Dept. Revi	ewer Nar	ne	Tim Davies		
Clear Roadway/Skew							Dept. Revi	ew Date		25-Mar-2013		
AADT/Year		2010 (E)					Follow-Up	Ву				
Road Classification		208-100					Visual Insp	ection?		Υ		
Detour Length (km)	2						CSE Testir	ng?		Υ		
							Chloride Te	esting?		N		
Allowable Load (t): S	ingle			Semi				Train			> ( >C	On Critical Spans Critical Member
Design Loading:	ŀ	HS20									> l	Primary Span
(Primary Span : WG,	Spans:	1,2, Len	gths(m): 2	8.9-28.9)								
(Total Length : 28.9-2	28.9 = 5	<b>7.8</b> )										
				Co	ncrete	De	ck Inspecti	on				
				La	st No	W	Explanation	n of Cor	ndit	ion		
Wearing Surface												
Polymer? (Y/N)			N									
ACP? (Y/N)			Υ									
Chip Seal Coat? (Y	/N)		N									
	Туре					Y	ear Installed	Α	vg.	Total Thickness (m	nm)	Area (m²)
ACP	ACP					20	010	5	0			739.8
Polymer Rating (% A	-						_					
0.7	· / =	4	10	0/4	NI/SZ		1					

(Total Le	ength : <b>28.</b>	9-28.9 = 5	7.8)											
						Concrete	Deck Inspection							
					L	_ast No	w Explanation of	Condition						
Wearing	Surface													
Polyme	er? (Y/N)			N										
ACP?	(Y/N)			Υ										
Chip S	Seal Coat?	(Y/N)		N										
		Туре					Year Installed	Avg. Total Thickness (mm)	Area (m²)					
ACP		ACP					2010	50	739.8					
Polymer	r Rating (	% Area)												
	9-7	6/5	4	3	2/1	N/X								
Last														
Now	0	0	0	0	0	100								
ACP Rat	ting (% A						ACP is in good of	ACP is in good condition.						
	9-7	6/5	4	3	2/1	N/X								
Last														
Now	0	100	0	0	0	0								
Chip Se		ating (% A	rea)											
	9-7	6/5	4	3	2/1	N/X								
Last														
Now	0	0	0	0	0	100	— Due to new ACF	, no depths were taken.						
		ebonded /L				X								
		nded /Lost	•	<i>'</i>		0	)							
ACP Average Measured Depth (mm)						N	1							
		uency (m/r	· ·			C								
Chip S	Seal Coat	Total Lost A	Area (m²)			X	(							
Concret	e Overlay													
Overla	ay? (Y/N)			N										

					C	on	crete De	ck Inspection							
					L	_ast	t Now	Explanation	of Cond	lition					
(Area(n	n²) : <b>739.8</b> )														
(Year C	Constructed	d : <b>1967</b> )													
(Year V	Videned:)														
(Thickn	ess(mm):	<b>150</b> )													
(Averag	ge Cylinde	Strength	(MPa) : )												
		Туре						Size		Design Cover (mm)	Spacing (mm)				
Long. Re	inforcing	REINFO	RCING S	TEEL											
Trans. Re	einforcing	REINFO	RCING S	TEEL											
Deck Top	p Rating (	% Area)													
	9-7	6/5	4	3	2/1		N/X								
Last															
Now	0	5	0	0	0		95	Transverse c	racks						
Total C	rack Lengt	h - Mediu	m/Wide (n	n)			10		raono.						
Total S	caled Area	ı - Light (m	1²)				0								
Total S	caled Area	- Modera	te/Heavy/	Severe (m	12)		0	Isolated dela	mination	along the west pavir	ıg lip.				
Delaminated Area (m²)							0.2								
Spalled	l Area (m²)						0	Assuming 50mm of ACP.							
Patche	d Area (m²	)					0								
Averag	e Measure	d Cover D	epth (mm	1)			77								
Standa	rd Deviatio	n of Meas	sured Cov	er Depth (	mm)		14								
Deck Un	derside R	ating (% A	Area)												
	9-7	6/5	4	3	2/1		N/X	Minor staining around the weep tubes.							
Last								Narrow to me	edium wi	de transverse crackir	ıg.				
Now	75	25	0	0	0		0								
Total S	tained Area	a - Modera	ate (m²)				2								
Total S	tained Area	a - Heavy	/Severe (n	n²)			0								
Total C	rack Lengt	h - Mediu	m/Wide (n	n)			46								
% of M	edium/Wid	e Cracks	Stained				90								
Edge Ele	ments														
Curbs?	(Y/N)		\	<b>Y</b>											
Parape	ts? (Y/N)		1	١											
Median	s? (Y/N)			<u> </u>											
Sidewa	lks? (Y/N)		1	٧											
Curbs															
(Type:	CONCRE	TE)													
(Total L	ength(m):	115.6)													
(Height	(mm) :	)													
(Width(	mm): )														
(Averaç	ge Cylinde	Strength	(MPa) :	)											
Reinforce	ement Type	Э				Size	)		Design	Cover (mm)	Spacing (mm)				

						Concrete I	eck Inspection	on						
						Last Nov		n of Condition						
Curb Rat	ting (% L	ength)												
	9-7	6/5	4	3	2/1	N/X								
Last														
Now	0	99	1	0	0	0								
Total C	rack Len	gth - Medi	um/Wide	(m)		35								
		ngth - Ligh				5								
			lerate/Hea	avy/Sever	e (m)	0								
	nated Ler	<b>O</b> \ /				0								
-	d Length (					0.8	<u>:                                    </u>							
	d Length					0	_							
		ed Cover		·		10								
	rd Deviat	ion of Mea	asured Co	ver Depth	(mm)	15								
Median														
		ONCRET	<b>E</b> )											
·	_ength(m)	) : <b>57.8</b> )												
(Height		)												
(Width(		)	. (1.15. )	```										
		er Strengt	h(MPa) :	)		0:								
Reinforce	ement Ty	pe				Size		Design Cover (n	nm)	Spacing (mm)				
Madian F	Dating (0)	' Langth\												
wedian i	9-7	6/5	4	3	2/1	N/X								
Last	9-7	0/3	4	3	2/1	IN/A	Pomovable	concrete barriers.						
Now	0	100	0	0	0	0	Nemovable	concrete partiers.						
	-	gth - Medi				19								
		ea - Light (		(***)		0		Not required to take measurements along median.						
				y/Severe (	m²)	0								
	nated Are		410/11041	<i>y,</i> <b>001</b> 0.0 (	,	0								
	d Area (m					0								
	d Area (m					0	Not require							
	•	ed Cover	Depth (m	m)		N								
				ver Depth	(mm)	N	1							
Deck Joi														
(Type : <b>F</b>	INGER P	LATES)												
	er of Join													
(Expan	sion / Fix	ed? : EXP	ANSION)	1										
(Location	on : <b>A1</b> )													
% Insp	ected					10								
% Joint	ts Leaks					50	The north a	abutment leaks.	th ahutme	nt. The north abutment wa				
% Joint	t Length L	_eaks				10		No formal deck joint at the north abutment. The north abutmen stained.						
Supers	tructure [	Damage R	ating			6								
Substru	ucture Da	mage Rat	ing			6								
	Joint Ra					5								
						CSE	Testing							
Testing	Date			24-Jul-20	12		Prev	ious Testing Date	08-Jul-2	008				
Weather	Informat	ion												
Tempe	rature (°C	;)		23										
Conditi	ons			Windy										
Equipme	ent Inforn													
			NAI - I	Corovoo	CDI 3	00 EA/512								
Test Ed	-	маке and d Location					nt along the ea							

				CSE Te	esting								
Measure	ment Location	s Informatio	n		_								
Origin f	for Data		Southeast										
			Number		Length of Eac	h (m)	Length	Length of Last (m)					
X Increr	ments (Length)		48		1.219		0.600						
Y Increr	ments (Width)		11		1.219	0.600	0.600			0.600			
CSE Res	sults												
Span N	lumbers		1,2										
Span T	уре		WG										
Wearin	g Surface		ACP	ACP									
Testing Year	% Deck Area 0 to -0.1 V	% Deck Are < -0.1 to -0.2 V			% Deck Area < -0.4 V	Avg. Deck Reading (V)	Stnd. Dev. Deck Reading	Avg. Curb Reading (V)	Stnd. Dev. Curb Reading				
2012	10.8	70.4	14.3	3.9	0.6	-0.172	0.085	-0.175	0.143				
2008	72.0	18.0	8.0	2.0	0.0	-0.104	0.094	-0.182	0.135				
	diction Model O nab Start Year	ptimum 5	2017										
Commen	nts												

		Main	tenance Rec	ommend	ations							
Inspector Recommendations	Year	Inspector Comments			Department	Comme	nts		Та	rget 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 (%) 6	6.7	Sufficiency Rating	g (%)	63.4		E	st Repl Y	ear		2031		
Level 1 Insp Date 01-Dec-2	2011 Next L	evel 1 Insp Date	(	01-Sep-20	13 Curre	ent Leve	l 1 Insp C	ycle (De	efault) (Mon	ths)	21	
Special Comments for Next Insp												
Snooper? (Y/N) No L	ift? (Y/N)	No Traffic	Control? (Y/	N) Yes	Boat	? (Y/N)		No	Lado	ler? (Y/N)	No	)
Other Special Requirements Comments			·	•					·		·	
Previous Level 2 Inspector's Name	Brian Cote			Previous L	evel 2 Insp D	ate	08-Jul-	2008				
Next Level 2 Insp Date	07-Sep-2020		I	Discontinu	e Level 2 Ins	p? (Y/N)	No					
Level 2 Insp Previously Completed	2			Level 2 Ins (Months)	sp Cycle (Default) 96							
Detailed Report/Diagram? (Y/N)	Yes											
Level 2 Insp Comments												
Next Level 2 Inspection/Test	Concrete Deck	Insp? (Y/N)	Yes	CSE Testing? (Y/N)			Yes		Chloride Te	sting? (Y/N)	No	
Department Reviewer Comments												