77091 WC-3 Bridge

							Ε	ridge li	nspe	ection							
Bridge File Numl	ber	77091 WC-3 Bridge											PSR				
Year Built/Year									Lot No.			3					
Supstr								Inspector Name			Jason Rusu						
Bridge or Town Name CHESTERMERE								Inspector Class			BR CLS A						
Located Over 1A:08 R1 4.420;1A:08 L1 4.421							Assistant Name			7-2							
Located On		1:1	0 C1-1	OL 8.15	0				Assistant Class								
Water Body Cl./	⁄ear								Inspection Date			03-Mar-2012	2				
Navigabil. Cl./Ye	ar								Data Entry By			Anne Rober	ts				
Legal Land Loca	tion	SW	SEC 2	23 TWP	24 RGE	28 W	4M						28-Mar-2012	2			
Longitude, Latitude -113:48:4				3, 51:03	:09					·			Garry Rober	ts			
Road Authority		Alb	erta Tra	ansportation (AIT)					Review Date			07-Mar-2012					
Contract Main. A	rea	СМ	A30						De	pt. Revie	wer N	lame	Tim Davies				
Clear Roadway/S	Skew	7.2	/							pt. Revie			29-Mar-2012	2			
AADT/Year										low-Up E		-					
Road Classificat	ion	RFI	D-412.4	4-130							. ,						
Detour Length (k	m)	1															
Allowable Load (t): Sin	gle	CS1			Semi	i CS	S2 49		-	Train	CS	3 62		> On Critical Spans		าร
Decima Leadines			GIRD												>Critical Member		
Design Loading:			HS20				De	sting l	of or	mation					> Primary	span	
Required Vert. C	looron	000 E	Postina	(m)	UNDER	· 1											
				(111)		. IA L	_1 3.4	III, IAN	. 1 3.	3111							
Posted Vertical Clearance (Y/N) Yes Posted: Lane EB On Bridge (m) In Adv						ance	(V/NI)	Yes	Lane	WB		n Bridge (m)	F 2	In Advance	/\/\NI\	Yes	
				7091 E		II Auv	ance	(1/IN)	165	Lane	VVD	U	n bhage (m)	0.3	III Auvance	(1 / IN)	165
			ig on 7	7091 E	Cinalo				Semi				Truck Train				
Required Load Posting (t) Single																	
Posted Loading		Single				tian ()	//N I)	NI.	Semi		()	//N I)	Na	Truck Train		Na	
Posted:	Lane	_	NB OD		At Junction (Y/N)			No			ance (Y/N)		No	At Bridge (Y/N) At Bridge (Y/N)		No	
Posted:	Lane		SB		At Junct	tion (Y	(/N)		In Advance (Y/N)			At blidge (1/N)					
	Not re			.,													
Hazard Marker A	At Brid	ge (\	//N)	Yes													
Remarks																	
Other Sign Type	S						114	:1:4:00 /		40d 04\							
Litility Attachmen	oto.						Uτ	ilities (l	_OCa	ited at)							
Utility Attachmen		-DI	\ NI						C 0								
·	AT MI				BUTME	NTC				Gas							
Power					ROTIVIE	N 1 5.			Municipal Problem (V/N) No.								
Others	SIKE		LIGHTS	5.					Problem (Y/N) No								
Remarks								Annres	ch-	Poad							
							Last		Explanation of Condition								
Horizontal Alignr	nent						5	5		pianation	. 01 0	Jiiuli					
Vertical Alignme							7	7	-								
Roadway Width				7.200			,		(Pr	otholed @	SF	Shoul	der- 1x0.5 m)	12-0	rt-2010		
					4	N		covered				00	. 2010				
Approach Bump Guardrail (Y/N) Yes					-7	14	ΛΛic	ssina 1 er	olice h	oolte a	nt SE and 4 m	nissina	splice bolts a	t NI\//			
Guardrail (Y/N) Yes Guardrail					4	4	IVIIS	onig + sp	JIIOG L	,uno c	OL and 4 II	ا الحداد	opiioe boito d				
					_	7											
Length (m) 38.000 Current Standard (Y/N) No						No	t thriebea	am									
Termination Type TURNED DOWN ENDS																	
Drainage							5	5									
							_	_	-								
Approach Road General Rating					5	5											

						Supers	tructure						
Bridge Com	ponent					<u> </u>	Explanation of Condition						
_	an : FC, 2 Spa r	ns. Lenat	hs(m	n): 24.4-24.4.			· •						
Special Fea		,		. ,,	7 (IGOII								
Special Feat					8	8	7						
-	T LATER POS	ST TENS)					·						
Special Feat)				X							
(Type:)	iui C												
	face/Deck Top	Dotail Ba	tings										
vvearing Sur	N (%)	1 (%)	ungs	2 (%)	3 (%)								
Last	0	0		0		0							
Now	0.0	0.0		0.0		0.0							
		0.0		0.0			Compa avadija v @ natabas						
Wearing Sur		ETE COI	NIV/ER	ATIONAL CH	6 ID SEA	6	Some cracking @ patches						
COAT)	ype : CONCRE	E I E - COI	INVE	NIIONAL CH	IP SEA	L							
(Thickness	s(mm) : 50)												
Lateral Conr	nection Problen	n No)										
(Y/N)													
Deck Top					N	N							
D 1 D: : :	1114				_	-							
Deck Rideal	oility				7	7							
Deck Joints					5	N	Cracks in top surface of pier joint gland. No sign seal is leaking						
	ure (deg. C)	5			- 3	111	New abutment joints in 2010						
	n Type : GLAN)_M	HED TOANS	FIFY	ETC\\	Joints gravel/ice covered						
	e : GLAND (W												
Gap Size (ocation	λ, ΕΙΟ	<u>)) </u>							
70	(111111)		I ABL										
73			IER	71									
74				 IТ									
74 S ABUT													
Deck Draina	ige.				7	7	NO DECK DRAINS.						
	gged (Y/N)	No			1		NO DECK DIVAING.						
		INO	,		7	7							
Curb Type					7	7							
_ `	e : Standard)	4											
	ercent Area)	1			-	_							
Bridge Rail	NDOE TUBE				7	7							
	RIDGE TUBE)				_	_	Point over golvenizing						
Bridge Rail F		207.2==	-, -	A I \/A \ II ====	7	7	Paint over galvanizing						
(Type : GA STEEL)	ALVANIZED PO	JST STEE	EL;G	ALVANIZED	PUST								
,	Posts Coating				6	5							
(Type : PA													
Sidewalk					Х	Х							
Jidewalk						^							
Girder Detail	I Ratings												
	N (count) 1 (count) 2 (count)					unt)							
Last	0	0		0		0							
Now	0	0		0		0							
Girders					5	5	Typical FC Girder end cracked						
Cracking (Y/N)	Ye	s				Narrow to medium width Rating increase for strengthening						
-	Percent Area)	0											
	Girders : 10)												
,													

Bridge Component				Supars	tructure
Primary Spans FC, 2 Spans, Lengths(m): 24.4-24.4, A Ident Number:) Diaphragmis(Cross Frame	Bridge Component				
Diaphragms/Cross Frame		enaths(m): 24.4-24.4.			•
Bearings		gy ,			
Temperature (deg. C) 5 (Expansion Type: REINFORCED NEOPRENE BEARING WITH FEFLON AND STAINLESS STEEL) (Fixed Type: REINFORCED NEOPRENE BEARING WITH FEFLON AND STAINLESS STEEL) Coating Adequate (YN) Yes Pencetoning (YN) Yes Peck Underside	Diaprinagina, creact raine				
Comparison Type: REINFORCED NEOPRENE BEARING WITH TEFLON AND STANLESS STEEL	Bearings		5	5	SS distorted from steel plate corrosion stress
Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)	Temperature (deg. C)	5			Minor debonding of teflon slider at North Bearings are tied over pier
TEFLOW AND STAINLESS STEEL	(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR ΓΕΕL)	RING W	/ITH	
Functioning (Y/N)	(Fixed Type : REINFORCED N TEFLON AND STAINLESS ST	IEOPRENE BEARING ΓΕΕL)	WITH		
Deck Underside 5	Coating Adequate (Y/N) Yes				
Stains (Percent Area) 1	Functioning (Y/N)	Functioning (Y/N) Yes			
Statist (Ferbetit Ariea) Span Alignment Problems Vertical (Y/N) No	Deck Underside		5	5	
Vertical (Y/N)	Stains (Percent Area)	1			longitudinal crack
Horizontal (V/N)	Span Alignment Problems				
Substructure Stubstructure	Vertical (Y/N)	No			
Substructure	Horizontal (Y/N)	No			
Last Now Explanation of Condition	Superstructure General Rating	J	5	5	
Last Now Explanation of Condition				a i 1	
Abutments Fearing Seats/Caps 7 7 7	Bridge Component		Loot		
Bearing Seats/Caps			Last	INOW	Explanation of Condition
Trype : CONCRETE			7	7	
Backwalls/Breastwalls			'		
Wingwalls			7	7	
Piles N N Buried Paint/Coating 8 8 Tar coating Abutment Stability 7 7 Scour/Erosion X X Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Backwaiis/Breastwaiis				
Paint/Coating	Wingwalls		7	7	
Abutment Stability 7 7 Scour/Erosion X X X Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No	Piles		N	N	Buried
Scour/Erosion	Paint/Coating		8	8	Tar coating
Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 3) 7 7 Pier Shaft/Piles 7 7 8 Bracing/Struts/Sheathing X X X Nose Plate X X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) (Colour Code :) Y 7 Pier Stability 7 7 Colour Code :) Pebris (Y/N) No No	Abutment Stability		7	7	
(Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Scour/Erosion		Х	Х	
Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Piers/Bents				
(Type : CONCRETE) (Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 Bracing/Struts/Sheathing X X X Nose Plate X Paint/Coating 7 (Colour Description :) (Colour Code :) Pier Stability 7 Scour X Debris (Y/N) No	(Type : PIER-COLUMN)				
(Total Number of Bearing Piles : 3) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Bearing Seats/Caps		7	7	
Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour X X Debris (Y/N) No No	(Type : CONCRETE)				
Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 7 7 (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour X X Debris (Y/N) No	(Total Number of Bearing Piles :	3)			
Nose Plate X X Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Pier Shaft/Piles		7	7	
Paint/Coating 7 7 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Bracing/Struts/Sheathing		Х	X	
(Colour Description :) (Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Nose Plate		Х	X	
(Colour Code :) Pier Stability 7 7 Scour X X Debris (Y/N) No No	Paint/Coating		7	7	
Pier Stability 7 7 Scour X X Debris (Y/N) No No	(Colour Description :)				
Scour X X Debris (Y/N) No	(Colour Code :)				
Debris (Y/N) No	Pier Stability		7	7	
	Scour		Х	Х	
Substructure General Rating 7 7	Debris (Y/N)	No			
	Substructure General Rating		7	7	

Structure Usage											
		Last	Now	Explanation of Condition							
Grade Separation											
Road Alignment			7								
Traffic Safety Features			X								
Туре											
Slope Protection		8	8								
(Type : CONCRETE; CONCRE	TE)										
Bank Stability			7								
Drainage		7	7								
Grade Separation General Ration	ng	7	7								

				Maint	tenance Reco	mmend	ations						
Inspector Recommendations		Year	Inspecto	or Comments			Department Con	nmen	its		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL													
GALVANIZE/PAINT BRIDGE RAIL													
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS													
RESET/ PAINT BEARINGS													
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSI	NC												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION		2012 patch SE Approach shoulder 1x0.5m if already done.				not							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No. (%)	ow)	66.7/66.7 Sufficiency Rating (Last/Now) (%)				w) 5	55.9/55.9	Est	t. Repl. Yr	2045	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection							Department Comments						
Maintenance Reviewed By							Date			Е	Estimated Total	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	Garry F	Roberts			Р	revious /	ous Assistant's Name						
Next Inspection Date	03-Dec	-2013			P	revious I	nspection Date		12-Oct-2010				
Inspection Cycle (Default) (months)	21												
Comment													