						В	ridge Ir	spec	tion						
Bridge File Number 06565 -1 Bridge							Form Type			PSR					
Year Built/Year 1958/1958								Lot No.			1				
Supstr								Inspector Name			Owen Salava				
Bridge or Town Name CARBON				\\/\TE	TEDCDS_ST			Inspector Class			BR CLS A				
Located Over KNEEHILLS CREEK, 3.46, WATE Located On 21:14 C1 12.215				VVAIER	IERCRS-SI			Assistant Name							
Water Body Cl./Year								Assistant Class							
Navigabil. Cl./Year							<u> </u>	nspection Date 17-Sep-2012							
Legal Land Location		SW SEC	19 TWP	29 RGE 2	23 W4M	1			Data Entry By Marcia Chavez						
Longitude, Latitude		113:13:5			20 11711				Data Entry Date 02-Oct-2012						
Road Authority					on (AIT)			Reviewer Name			John O'Brien				
Road Authority Alberta Transportation (AIT) Contract Main. Area CMA20				<i>)</i>				Review Date 27-Sep-2012							
Clear Roadway/Skew 11.6 /								Dept. Reviewer Name							
AADT/Year		1,840 / 20)11 (A)							w Date	!	19-Oct-2012			
Road Classification		RAU-211						Follo	w-Up E	Зу					
Detour Length (km		20													
Allowable Load (t): Single CS1 41 GIRDER					Semi	emi CS2 4			-	Train	cs	3 62		> On Critical Spans > Critical Member	
Design Loading: HS20			0						<u> </u>					> Primary	Span
						Ро	sting Ir	nform	ation						
Required Load Posting (t)				Single				Semi				Truck Train			
Posted Loading (t)			Single	Single			Semi			Truck Train					
Posted: La	ane	NB		At Juncti	ion (Y/N	l)	No	I	n Adva	nce (Y/N)		No	At Bridge (Y/N)		No
Posted: La	Lane SB At J		At Juncti	ion (Y/N	n (Y/N) No		I	In Advance (Y/N)		No	At Bridge (Y/N)		No		
Remarks N	lot req	uired.													
Hazard Marker At Bridge (Y/N) No															
Remarks Not required.															
Other Sign Types Curve, Creek I.D.															
						Uti	lities (L	ocate	ed at)						
Utility Attachments	6														
Telephone							Gas	Gas Municipal							
Power								•	/N I) N I	No					
Others								Prob	lem (Y/	/N) N	0				
Remarks							Approa	oh Da	a a d						
					l a	ast	Now			n of Co	ndit	tion			
Horizontal Alignme	ent					5	5	Explanation of Condition Bridge is on curve, steep hills both sides. Superelevated.					d.		
Vertical Alignment						5	5	No p	No passing both directions.						
		11.000	3												
Approach Bump				5 5		1									
Guardrail (Y/N)			Yes	0				Miss	Missing bolts @ guardrail to parapet @ SE & NE (photo).				o).		
Guardrail				3		3		5 5							
Length (m)			73.700					Insufficient posts; not thrie beam.							
Current Standard	d (Y/N	1)	No					1							
Termination Type	`		TURNE	D DOWN											
Drainage						4	4	Scali	ing & ex	xposed corners	reba	ar @ NW trou	ugh dr	ain - still func & slabs. Som	tions. e hslp gullies.
Approach Road G	Sener	al Rating]			5	5					·			

					Supers	structure					
Bridge Com	ponent					Explanation of Condition					
	•	ns. Lenaths	s(m): 27.4-27.4-			•					
Special Feat											
Special Feat					6	Steel Channel Reinforcing.					
(Type:)						Channel reinforcing @ N pier only at bearing seat.					
Special Feature					X						
(Type:)											
	face/Dock Top	Dotoil Botin									
wearing Sur	face/Deck Top N (%)	1 (%)	2 (%)	3 (%)							
Last	0	0	0		0						
Now	-		-								
	0.0	0.0	0.0		0.0						
Wearing Sur (Material T COAT)		ETE - CONV	ENTIONAL CH	IIP SEA	│ 5 \L	Chipcoat on HDC overlay. Some cracks in HDC @ abraded chipcoat areas.					
(Thickness	s(mm) : 50)										
	nection Problem	n No									
Deck Top				N	N						
Deck Rideab	oility			7	7						
Deck Joints				7	7						
Temperatu	ıre (deg. C)	25									
(Expansion	n Type : GLAN	ID (WABO-N	IAUER, TRANS	SFLEX,	ETC))						
(Fixed Typ	e:)										
Gap Size (mm)	Gap	Location								
65		S. a	but								
65 S. pier											
65		N. p	ier								
68		N. a	but								
Deck Draina	ge			6	6	Erosion gully below seat at NW corner but from approach drainage.					
Drains Clo	gged (Y/N)	No									
Curbs/Media	ın			4	5	Light to medium scaling & wide spread transverse narrow cracks.					
(Curb Type	e : Standard)					Local delam at various locations. Lift pocket grout delaminated (photo) S3 E side.					
Scaling (Pe	ercent Area)	20				Spall to SE transition curb.					
Bridge Rail				7	7						
(Type : GA	LVANIZED ST	TEEL TUBE	BEAM TYPE 1)		Missing post A/B at EP22, WP8, WP19 (photo W p19). Wide vert. crack at NE parapet.					
Bridge Rail F	Posts			3	3	- What vert. Grack at the parapet.					
(Type : GA	LVANIZED PO	OST STEEL	GALVANIZED	POST							
	Posts Coating			6	6						
	LVANIZED)					-					
Sidewalk	(LVAINEED)			Х	Х						
Girder Detail	Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	0	0	0		0						
Now	0	0	0		0						
Girders				7	7						
Cracking (Y/N)	No									
	Percent Area)	0									
	Girders : 21)	U				Delaminated grout in one lift pocket.					
(Marringer Of	Ollucis . ZI)										

(Primary Span : PO, 3 Spans, Lengths(m): 27.4-27.4, A-Ident Num Diaphragms/Cross Frame 7 7 Bearings 5 5 (Be Temperature (deg. C) 25 Exp (Expansion Type : SLIDING PLATE) (Fixed Type : PINNED BEARING) Bea Coating Adequate (Y/N) No Functioning (Y/N) Functioning (Y/N) Yes 50% Deck Underside 7 7 7 Stains (Percent Area) 0 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 5 Bridge Component Last Now Exp Abutments Exp Substruct Substruct </th <th>planation of Condition</th>	planation of Condition				
Cerimary Span : PO, 3 Spans, Lengths(m): 27.4-27.4-27.4, A-Ident Num	ber:) arings have caused problems in past from freezing. 92/12/09). bansion @ abuts. arings are tied together at piers.				
Diaphragms/Cross Frame	arings have caused problems in past from freezing. 92/12/09). pansion @ abuts. arings are tied together at piers.				
Bearings	pansion @ abuts. arings are tied together at piers.				
Temperature (deg. C) (Expansion Type : SLIDING PLATE) (Fixed Type : PINNED BEARING) Coating Adequate (Y/N) Functioning (Y/N) Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) No Superstructure General Rating Substructure Bridge Component Abutments Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Vingwalls Paint/Coating Last No Mexiconterior Exp Exp Exp Exp Exp Exp Exp Ex	pansion @ abuts. arings are tied together at piers.				
(Expansion Type : SLIDING PLATE) (Fixed Type : PINNED BEARING) Coating Adequate (Y/N) No Functioning (Y/N) Yes 509 Deck Underside 7 7 Stains (Percent Area) 0 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure Bridge Component Last Now Expansion Seats/Caps 5 5 (Type : CONCRETE) Backwalls/Breastwalls 5 5 Head (ph.) Wingwalls 4 4 Mewico	arings are tied together at piers.				
(Expansion Type : SLIDING PLATE) (Fixed Type : PINNED BEARING) Coating Adequate (Y/N) Functioning (Y/N) Pes Deck Underside Stains (Percent Area) Span Alignment Problems Vertical (Y/N) Horizontal (Y/N) Superstructure General Rating Substruct Bridge Component Abutments Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Files N N Paint/Coating Abutments A Mee Wice	arings are tied together at piers.				
Coating Adequate (Y/N) No Functioning (Y/N) Yes 509 Deck Underside 7 7 Stains (Percent Area) 0 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure Bridge Component Last Now Expansion Seats/Caps 5 5 (Type: CONCRETE) Backwalls/Breastwalls 5 5 Head (phospherical Advicements) Wingwalls 4 4 Med Wice Paint/Coating X X X					
Functioning (Y/N) Yes 509 Deck Underside 7 7 Stains (Percent Area) 0 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure Bridge Component Last Now Expanded Abutments Bearing Seats/Caps 5 5 Heat (phromatical Action of the Americal Action of the American Action of the Americ	6 superficial corrosion at exterior abut bearings - photo.				
Deck Underside	6 superficial corrosion at exterior abut bearings - photo.				
Stains (Percent Area) 0 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure Bridge Component Last Now Expanded Rating 5 5 5 Abutments Bearing Seats/Caps 5 5 Head (phose) (Type: CONCRETE) Backwalls/Breastwalls 5 5 Head (phose) Wingwalls 4 4 Mead (phose) Piles N N Paint/Coating X X					
Span Alignment Problems Vertical (Y/N)					
Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure General Rating Bridge Component Last Now Exponential Ex					
Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 5 5 Substructure General Rating Bridge Component Last Now Exponential Ex					
Horizontal (Y/N) No Superstructure General Rating 5 5					
Superstructure General Rating 5 5					
Substructive Bridge Component Last Now Expanded Expand					
Bridge Component Last Now Exp Abutments Bearing Seats/Caps 5 5 Heat (Type : CONCRETE) Teach of the seastwalls 5 5 Heat Heat (ph Wingwalls 4 4 Mer Wid Mer Wid N N Piles N N N N N N N					
Abutments Bearing Seats/Caps 5 5 Head (Type : CONCRETE) 5 5 Head (ph Wingwalls 5 5 Head (ph Wingwalls 4 4 Med Wingwalls Piles N N N N Paint/Coating X X X					
Bearing Seats/Caps 5 5 Head (Type : CONCRETE) 5 5 Head (ph Wingwalls 4 4 Med Wingwalls Piles N N N Paint/Coating X X X	planation of Condition				
(Type : CONCRETE) Backwalls/Breastwalls 5 5 Head (phromator) Wingwalls 4 4 Med With With Wingwalls Piles N N Paint/Coating X X					
Backwalls/Breastwalls 5 5 Head (philipped) Wingwalls 4 4 Med Wick Piles N N Paint/Coating X X	avy scaling at NW corner (photo).				
Wingwalls 4 4 Mew Wich Piles N N N Paint/Coating X X					
Piles N N Paint/Coating X X	avy scaling with efflorescence staining, typical at both abuts oto).				
Piles N N Paint/Coating X X	dium scaling on parapet, wide vert. crack at NW parapet. le vertical crack @ NE curtain wall end.				
	le vertical crack @ NE curtain wall end.				
-					
Scour/Erosion 4 4 Ero	sion gully at NW & SW corners (photo).				
Piers/Bents	Gen gany at two a consist (pricto).				
(Type: PIER-SOLID)					
Bearing Seats/Caps 4 5					
(Type : CONCRETE)					
	ches on SW side of South pier.				
Pier Shaft/Piles 6 6	ones on ow side of south pier.				
Bracing/Struts/Sheathing X X					
Diading/Struts/Streathing A A					
Nose Plate 7 7					
Paint/Coating 4 4 60%	60% superficial corrosion at nose plate.				
(Colour Description :)	•				
(Colour Code :)					
Pier Stability 6 6					
Scour 5 5 Min	or erosion at South pier. Natural rock provides protection.				
Debris (Y/N) No					
Substructure General Rating 4 5					

		S	re Usage					
			Now	Explanation of Condition				
Channel								
(U/S Direction : W)			Steep banks U/S and D/S - rock lined					
(D/S Direction : E)			_	at U/S. Cut banks @ SW & NE (photo).				
Alignment		7	7					
Bank Stability			5					
HWM (m below Top of Curb) 2.5				No visible HWM - (noted HWM is approximate).				
Drift (Y/N)	t (Y/N) No			Drift caught on girder bracing in S1 (photo).				
Slope Protection 6			6	Concrete at N. Class 1 & natural at S.				
(Type: RIP RAP; RIP RAP)			_					
Guidebank/Spurs			6	N slope protection extends to u/s bank 50m.				
Adequacy of Opening			8					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2:	NONE)							
Channel General Rating		6	6					

Bridge Inspection & Maintenance System (Web 2005)

06565 -1 Bridge

		Maintenance	e Recommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comme	ents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2012	Replace missing anchor bolts on post (3).	bridgerail						
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS	2012	Blast and recoat exterior abut be	arings						
WASHING	2012		<u> </u>						
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSIC	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2012	Install missing bolt @ SE transition	on & NE.						
OTHER ACTION	2012	Seal gap at all approach corners	j.						
OTHER ACTION	2012	Patch NW abut seat scaling & se							
OTHER ACTION	2012	Patch & seal both abut backwall.							
OTHER ACTION	2012	Seal both pier caps.							
OTHER ACTION		i							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	ow) 50.0/55	Sufficiency Rating (La	ast/Now)	56.8/59.0	est. Repl. Yr	2027	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	,	,		Department Comments					
Maintenance Reviewed By				Date		E	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previous	Assistant's Name					
Next Inspection Date	17-Jun-2014		Previous	Inspection Date 11-Nov-2010					

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

06565 -1 Bridge

Inspection Cycle (Default) (months)	21
Comment	