							Brid	ge Ir	nspecti	ion							
Bridge File Number 09908 -1 Bridge								Form Type PCS									
Year Built/Year Supstr	/ear Built/Year 1960/1960 Supstr								Lot No. 1 Inspector Name Russel Vanderschaaf								
Bridge or Town Name ELMWORTH																	
Located Over DIAMOND DICK CREEK, 8.10.58					0.58.18	58 18 8 8			Inspector Class Assistant Name			BR CLS B					
WATERCRS-ST Located On 722:02 C1 3.257								Assistant Class									
Located On	Voor	122.	02 C1	3.257					Insped	ction D	Date		14-May-201	0			
Water Body CI./Year Navigabil. CI./Year								Data I				Theresa Lacusta					
Legal Land Location SW SEC 17 TWP 70 RGE 11 W6				WeM			Data E				14-Jun-2010	)					
Longitude, Latitu		-				VVOIVI			Revie	wer Na	ame		Arnold Asse	nheim	ner		
Longitude, Latitude -119:39:11, 55:03:15  Road Authority Alberta Transportation (AIT)							Revie	w Date	е		07-Jun-2010	)					
Contract Main. Area CMA05								Dept. Reviewer Name Steve Pasquan									
Contract Main. Area CMA05  Clear Roadway/Skew 9.8 / -45 deg. (LHF)								Dept.	Revie	w Da	ate	19-Aug-2010	)				
AADT/Year							Follow-Up By										
AADT/Year 1,080 / 2009 (A) Road Classification RCU-209-110																	
Detour Length (		6															
Allowable Load (t): Single   CS1 29   Sem					emi (	CS2 5	52	Train CS			3 74> On Critical Spans			cal Spans			
GIRDER					(	GIRD	ER				GIF	RDER		>Critical I	Member		
Design Loading: HS20						Posti	na Ir	nforma	tion					> Primary	Span		
Required Load Posting (t) Single						Josu	119 11		emi				Truc	k Train			
Posted Loading (t) Single								emi					k Train				
Posted:	Lane				) (Y/NI)	No		In Advance (Y/N)		No	At Bridge (Y/N)		No				
Posted:	Lane		VB		At Junction		No			In Advance (Y/N)			No	At Bridge (Y/N) No			
Remarks					. ( . , ,			in ravance (1714) The proges (1714) The									
Hazard Marker At Bridge (Y/N) Yes																	
Remarks																	
Other Sign Types																	
				Ţ	Jtiliti	es (L	_ocated	d at)									
Utility Attachments																	
Telephone		& South r/w.							Gas								
Power		side of road single wire							Munic	•							
Others	Pwr X's Hwy 3m fr. W abt 3 wire							Proble	em (Y/	N)	No						
Remarks							Λ		ah Das								
						Las		ow orosi	Ch Roa		n of (	Condit	ion				
Horizontal Alignment					6		6	1				corners.					
Vertical Alignment					8		8										
vertical Alignment																	
							Settled at SW corner, patched with ACP and timberphoto										
Roadway Width (m) 10.000							Settled at SW Corner, patched with ACF and timber-photo										
Approach Bump						4		5									
Guardrail (Y/N)	·										E bend arour	nd					
Guardrail						3		5	interse	ecting	road	IS.					
Length (m)				12.000													
Current Stand	ard (Y/	N)		No													
Termination T	уре		-	TURNE	D DOWN												
Drainage						7		6									
Approach Road	d Gene	ral R	ating			6		6									

					Supers	tructure			
Bridge Comp	onent					Explanation of Condition			
		ans, Lengt	hs(m): 8.5-8.5-			•			
Special Featu		<u> </u>	· ,	<u> </u>		,			
Special Feature					X				
(Type:)									
Special Featu	re				X				
(Type:)	· ·								
Wearing Surfa	ce/Deck Top	Detail Ratir	nas						
	N (%)	1 (%)	2 (%)	3 (%)					
Last	100	(12)	_ (::)	(,,,					
Now									
Wearing Surfa	ace			N	5	(6 wide longitudinal cracks over G3,G4,G5,G6,G72005/06/21)			
	pe : <b>CONCRE</b>			111		(6 Wide longitudinal ordans over 60,04,00,007. 2000/00/21)			
(Thickness(r		_ ' '   '							
		n No							
(Y/N)									
Deck Top				N	N				
Deck Rideabil	Deck Rideability				8				
Da ala Jainta	Deck Joints			- NI	N.				
		Na		N	N				
Bump (Y/N)		No							
Deck Drainage				8	8				
Drains Clog		No			Ι.				
Curbs/Median				N	3	2 holes 70mm Wx300mL nd 80mmx400 on S3G1.			
(Curb Type									
	Scaling (Percent Area) 0								
Bridge Rail				5	5	Improper lap for double layer of flexbeam on South side.			
(Type : FLEX BEAM)					1				
Bridge Rail Posts				4	5				
(Type: GALVANIZED POST STEEL;GALVANIZED STEEL)				POST					
Bridge Rail/Posts Coating				7	7				
(Type:)									
Sidewalk				X	X				
Oinden Deteil F	2-6								
Girder Detail F		1 (aquat)	2 (aquat)	2 (20)	.m4\				
_	N (count)	1 (count)	2 (count)	3 (cou					
Last	0	0	0	12					
Now	0	0	0			E00/ girdors orgaling C4C0 C4C0 C0C0 F 0.40			
Girders		\	0040	3	3	50% girders cracking. S1G2, S1G3,S2G2,5,8,10, wide cracking in the AZ of 2 legs.			
Last Complete Inspection Date 14-May-2010						S3G5,8-10 have spalls in legs above caps-photo.			
Cracking (Y/N) Yes						G6,7 are SC girders in all 3 spans. S1G10 has 2 large punch outs and one very poor attempt at a patch-			
Spalling (Percent Area) 2						photo S2G9 also has punchout.			
Lift or Connec Grouted (Y/N)									
(Number Of G									
Span Alignme		S							
Vertical (Y/N		No							
Horizontal (	•	No							
Superstructu				3	3				

					tructure						
Bridge Comp	onent			Last	Now	Explanation of Condition					
Abutments											
	Backwall Piles				NW, NE corner						
(Extended E	Backwall Piles	Spacing(mm	) : <b>1400</b> )								
(Total Numbe	er of Caps/Cor	hels : <b>5:5</b> )				P7 only bearing 180mm of possible 300mm width on West abut.					
	s/Caps/Corbel		as .			1 7 only bearing roomin or possible soonin water on west abut.					
	N (count)	1 (count)	2 (count)	3 (cou	int)						
Last	,										
Now											
Bearing Seats	s/Caps/Corbel	S		7	5						
(Type : TRE	EATED TIMBE	ER)									
(Depth(mm)	): 300)										
(Width(mm)	: <b>300</b> )										
Backwalls/Bre	eastwalls			4	4	Not low enough, West backwallphoto					
Greatest He	eight (m)	2.20									
Wingwalls N 7											
(Total Number of Bearing Piles : 10:10)						A1P1 not banded, crack 35mm widephoto.					
Piles Detail Ratings						Pile 6 & 8 are split on E. abut. and banded. Pile 7 & 8 are split on W. abut and banded.					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Dry rot on P8 West abutphoto					
Last				;	3						
Now	0	0	0	:	2						
Piles				3	3						
Paint/Coating X X											
Abutment Stability 5 3						A1 leaning 40mm East-photo					
Scour/Erosion 5 5											
Piers/Bents											
(Type : PIE	R-COLUMN)										
(Total Numbe	er of Caps/Cor	bels : <b>4:4</b> )									
Bearing Seats	s/Caps/Corbel		gs		Doop shocks in D2 con						
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Deep checks in P2 cap.					
Last						Top cap hang 75mm over bottom cap on pier 2.					
Now	0	0	0		1						
Bearing Seats/Caps/Corbels 4 3											
(Type : TREATED TIMBER) (Depth(mm) : 300)											
(Width(mm)											
	er of Bearing P	iles : <b>10:10</b> )			P4 has vertical split, possible rot on pier 1photo						
Piles Detail R						The second secon					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	, ,										
Now	0	0	0		1						
Pier Shaft/Pile	es			6	3						
Greatest He	eight (m)	4.20									

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Bracing/Struts/Sheathing		4	5	
Nose Plate		Х	Х	
Paint/Coating		Х	Х	
(Colour Description : )				
(Colour Code : )				
Pier Stability		3	3	Pier 1 leaning 110mm East.
Scour		4	5	
Debris (Y/N) Yes				Old piles beneath bridge. Minor drift-small size.
Substructure General Rating		3	3	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : )				   Pitrun
(D/S Direction : )				Fiduii  -
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection			5	
(Type:)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2 :	: NONE)			
Channel General Rating		6	6	

Alberta Transportation

				Maintenance Recommendations	Idations					
Inspector Recommendations		Year	Inspector	Inspector Comments	Department Comments	ıments	_	Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL	:AIL									
SEAL CURBS		2010	Repair ho	Repair holes SE curb.						
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS	<b>ABERS</b>									
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS	ST	2010	Level 2 A	Level 2 Assessment.						
REPAIR/REPLACE TIMBER CAPS	APS	2010								
REPAIR ABUTMENT SCOUR/EROSION	EROSION									
PLACE ADDITIONAL RIP RAP	•									
REMOVE DRIFT ACCUMULATION	NOIL									
INSTALL STRUTS										
OTHER ACTION		2010	Replace	Replace PB on West abutment.						
OTHER ACTION		2010	Band P4	Band P4 on pier 1 and A1P1.						
OTHER ACTION		2010	Lower M	Lower West backwall sheeting.						
OTHER ACTION		2010	Band A1P1	P1.						
OTHER ACTION		2010	Repair pu	Repair punchouts in S2G9						
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now)	(Last/Now)	33.3/33.3	3.3	Sufficiency Rating (Last/Now) (%)	59.7/59.2	Est. Repl. Yr	2017	Maint. Reqd. (Y/N)		Yes
Special Consider delaying repairs until assement is complete. Comments for Monitor girder cracking. Next Inspection	laying repai er cracking.	rs until asse	ement is co	mplete.	Department Comments					
Maintenance Reviewed By					Date		Est	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Co	Colin Roy		Previous	Previous Assistant's Name					
Next Inspection Date	14-	14-Aug-2013		Previous	Previous Inspection Date	05-Feb-2007				
Inspection Cycle (Default) (months)	nths) 39									
Comment										

			Maintenance Rec	ommend	ations					
Inspector Recommendations	Year	Inspector	r Comments		Department Comr	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
SEAL CURBS	2010	Repair ho	oles SE curb.							
PATCH DECK										
OVERLAY DECK										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS	2010	Level 2 A	Assessment.							
REPAIR/REPLACE TIMBER CAPS	2010									
REPAIR ABUTMENT SCOUR/EROSIC	N									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2010	Replace	PB on West abutment.							
OTHER ACTION	2010	Band P4	on pier 1 and A1P1.							
OTHER ACTION	2010	Lower V	Vest backwall sheeting.							
OTHER ACTION	2010	Band A1I	P1.							
OTHER ACTION	2010	Repair po	unchouts in S2G9							
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No (%)	w) 33.3/3	3.3	Sufficiency Rating (Last/N (%)	low) 5	9.7/59.2	Est. Repl. Yr	2017	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection  Consider delaying representation  Monitor girder cracking	pairs until ass	sement is co	omplete.		Department Comments On only	replacement pro y as required to l	gram. Mir keep safe.	nimum mainter	nance to be	done
Maintenance Reviewed By					Date		E	Estimated Tota	ıl O	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Colin Roy		F	Previous /	Assistant's Name					

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation

Next Inspection Date	14-Aug-2013	Previous Inspection Date	05-Feb-2007
Inspection Cycle (Default) (months)	39		
Comment			

09908 -1 Bridge