Bridge Inspection																
Bridge File Number 73203 -1 Bridge								Form Type PCS								
Year Built/Year 1992/1992						Lot N	۱o.			2						
Supstr							Inspector Name			Todd Warshawski						
Bridge or Town Name   CADOMIN   Located Over   WATSON CK. 8.11.107.51. WAT						ATEROPE ST			Inspector Class		BR CLS B					
				I, WAIE	TERCRS-ST			Assistant Name								
Located On 40:26 C1 24.244								Assistant Class								
Water Body Cl./Year								Inspection Date 31-Oct-2012								
Navigabil. Cl./Year			22 \4/5\	,		Data Entry By Lisa Fairhurst										
Legal Land Location NE SEC 23 TWP 47 RGE 23			23 W5W	1		Data	Data Entry Date 20-Nov-2012									
Longitude, Latitude -117:15:12, 53:04:25  Road Authority Alberta Transportation (AIT)			<b>-</b> \			Reviewer Name Eric Carcoux										
Road Authority		CMA		ansporta	ition (Ai	1)			Revi	ew Dat	te		13-Nov-2012	2		
Class Bandway		11 /	113						Dept	. Revie	ewer Na	ame	Brent Herric	k		
Clear Roadway/ AADT/Year	Skew		/ 201	1 ( ) \					Dept	. Revie	ew Date	9	22-Nov-2012	2		
Road Classificat	ion		-209						Follo	w-Up I	Ву					
			-209	G-90					1							
	Detour Length (km)   83  Allowable Load (t): Single   CS1 28   Set			Semi	С	S2 49	Train CS		cs	3 62> On Critical S		al Spans				
Design Loading:			CS75	50											> Primary Span	
_ co.g., _co.ug.							P	osting Ir	nform	ation					, initially	<b>-</b>
Required Load F	osting	(t)			Single				Semi			Trı		Truc	k Train	
Posted Loading	Posted Loading (t) Single						Semi			Truck Train						
Posted:	Lane	E	В		At Junc	tion (Y/N	۷)	No	In Advance (Y/N)		No	At Bridge (Y/N) No		No		
Posted:	Lane				tion (Y/N	۷)	No	In Advance (Y/N)		/N)	No	At B	ridge (Y/N)	No		
Remarks	CS3 a	llowa	ble lo	ad is be	low lega	l limit.										
Hazard Marker At Bridge (Y/N) Yes																
Remarks				Set too	low at 3	corners	(ph	noto)								
Other Sign Type	s			Curve s	igns, no	file tags										
							Ui	tilities (L	ocate	ed at)						
Utility Attachmer	nts															
Telephone	North	r/w.							Gas							
Power	3 wire	s 20n	n Nor	th r/w.					Muni	icipal						
Others									Prob	lem (Y	/N) N	lo				
Remarks																
								Approa				-				
Horizantal Alia	m a := t					L	ast		Explanation of Condition							
Horizontal Alignm							5	5	Curve 150m west, 200m east.							
Vertical Alignme				10.900			6	6								
Roadway Width (m) 10.800					7	7										
	Approach Bump							/	(Min	or coro	noc/too	ar fi	nctioning No	t thric	beam Nov/1	0)
Guardrail (Y/N) Yes				N	N		v cove		ai, iU	nouoming. NO		: Dealli NOV/1	<b>U</b> )			
Guardrail Length (m) 11.400				14	IN											
Current Stand	ard (V/	NI)		No												
Termination Ty		14)		Turned	Down											
Drainage	ype			runieu	DOWII		N	N	(Gra	vel win	drows	imne	des drainage	-05-		
Dramago								14	\Cia	· OI WIII		pc	acc drainage	. 50-1	JD 2000)	
Approach Road	Approach Road General Rating				5	5										

Superstructure									
Bridge Component					Now	Explanation of Condition			
(Primary Span : SC, 1 Spans, Lengths(m): 12, A-Ident Number: )									
Special Features									
Special Feature					Х				
(Type:)									
Special Feature					Х				
(Type:)									
Wearing Surface/Deck	Top Detai	I Ratings							
N (%)	1 (%			3 (%)		Snow/gravel covered.			
Last 100	(11	0	0	0					
Now 100.0		0.0	0.0		0.0				
Wearing Surface	<u>'</u>			Х	Х				
(Material Type : )									
(Thickness(mm):)									
Lateral Connection Prof	olem								
(Y/N)	JIGITI								
Deck Top				N	N	Snow covered. (Where visible girder top is abraided by gravel - photo.)-05-Feb-2009			
Deck Rideability				8	8				
Deck Joints					N	(Buffer angles05-Feb-2009)			
Bump (Y/N)		No		N		(2 and angles 35 ) 35 2555)			
Deck Drainage				N	N	(Flow to West05-Feb-2009)			
Drains Clogged (Y/N)		No				(1704 to 1700). 00 1 05 2000)			
Curbs/Median		110		N	N	Paint peeling off outside fascia.			
	٩/			IN	IN	Snow covered.			
(Curb Type : Standar	·	0							
Scaling (Percent Area	1)	0							
Bridge Rail	07551	EL EV DI	<b>- - - - - - - - - -</b>	4	4	Double layer spliced incorrectly & missing 32 splice bolts.(photo)			
(Type : GALVANIZED	SIEEL	FLEX BI	EAWI)						
Bridge Rail Posts	DOOT O	TEEL	AL WANIIZED	8 DOOT	N				
(Type : GALVANIZED STEEL)		STEEL;G	IALVANIZED						
Bridge Rail/Posts Coating				8	N				
(Type : GALVANIZED	<b>D</b> )				1				
Sidewalk				X	X				
Girder Detail Ratings									
N (count)	1 (cc	ount)	2 (count)	3 (cou	ınt)				
Last									
Now 0		0	0	0		Typical diagonal areaks are C2 C44. All areaks - 2 5 are			
Girders	n D-1	24.0	2044	8 5		Typical diagonal cracks on G3-G11. All cracks <0.5m			
Last Complete Inspection	on Date	31-Oct-	2011						
Cracking (Y/N) No									
Spalling (Percent Area) 0									
Lift or Connector Pocket Grouted (Y/N)  Yes									
(Number Of Girders : 11									
Span Alignment Probl	ems								
Vertical (Y/N)		No							
Horizontal (Y/N)		No							
Superstructure General	al Rating			8	5				

					Subst	tructure			
Bridge Cor	mponent			Last	Now	Explanation of Condition			
Abutments									
(Extende	d Backwall Pile	s (Y/N) : <b>Y</b> )							
(Extende	d Backwall Pile	s Spacing(mn	n) : <b>1600</b> )						
	ber of Caps/Co		, ,			2 HP 310 caps, 2 total including end support corbels.			
·	ats/Caps/Corbe		ngs			Ext piles modif welded HP 250 corbel to vertical face for bearing cap			
	N (count)	1 (count)	2 (count)	3 (cou	unt)	support.			
Last	(3.2.2.3)	(3.2.2.3)	(333,7)		- ,				
Now	0	0	0		0				
Bearing Seats/Caps/Corbels					7				
(Type : <b>S</b>		<u> </u>		7					
(Depth(m	•								
(Width(m									
Backwalls/E				7	6				
		3.00		- /	0				
	Height (m)	3.00		1	1	Cracked top plank @ NE wingwall photo			
Wingwalls				4	4	Cracked top plank @ NE wingwall - photo.			
(Total Num	ber of Bearing	Piles : <b>9:9</b> )		'		Numerous piles out of plane: during construction. Piles not anchore			
Piles Detail		,				Numerous piles out of plane; during construction. Piles not anchored A2-P2, P3 P4 driven out of plumb - photo. A2P5 local crease - photo.			
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	, ,	, , ,	, , ,		,				
Now	0	0	0		0				
Piles				5	5				
Paint/Coating				4	5	Rusting/peeling.			
						Blue.			
Abutment Stability				8	8				
Scour/Erosion				8	8				
Piers/Bent	s								
(Type : )									
(Total Num	ber of Caps/Co	orbels:)							
Bearing Se	ats/Caps/Corbe	els Detail Rati	ngs						
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last									
Now									
Bearing Se	ats/Caps/Corbe	els		X	X				
(Type:)									
(Depth(m	m):)								
(Width(m									
	ber of Bearing	Piles : )							
Piles Detail									
	N (count)	1 (count)	2 (count)	3 (cou	unt)				
Last	, ,	, , ,	, , ,		,				
Now									
Pier Shaft/F	Piles			X	X	1			
	Height (m)								
	uts/Sheathing			Х	X				
Nose Plate					X				
Paint/Coati	_			X	X	-			
· ·	escription:)					-			
(Colour C				\ \ \\	\ \v				
Pier Stabilit	У			X	X				

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour			X	
Debris (Y/N)	No			
Substructure General Rating			5	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment			7	
Bank Stability			6	Well armoured on banks, d/s bank undercut.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Prift (Y/N) No			
Slope Protection		8	8	Class I, II & III.
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs			X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1	1 : NONE)			
(Fish Compensation Measure 2	2 : NONE)			
Channel General Rating		6	7	

Maintenance Recommendations									
Inspector Recommendations	Year	Inspector Comments	Department Co	mments	Т	arget Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Splice bolts and proper lapping.							
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING	2013	Remove gravel from deck, if not done.							
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2013	Replace missing file tags.							
OTHER ACTION	2013	Reset all hazard markers to meet standard.							
OTHER ACTION	2013	Repair/fill void @ end of curb @ NW corner, not done.	if						
OTHER ACTION	2013	Remove windrows under approach rails, if no done.	ot						
OTHER ACTION									
OTHER ACTION	2013	Replace top plank @ NW wingwall.							
OTHER ACTION	2013	Assess if allowable load can be increased to legal limit or posting is required.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now)	72.2/55	.6 Sufficiency Rating (Last/Now)	69.2/63.3	Est. Repl. Yr	2045	Maint. Red	id (V/NI)	Voc	
(%)	1 2.2/55	(%)	09.2/03.3	Est. Rept. 11	2045	Mairit. Rec	u. (1/N)	Yes	
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date		Est	imated Total	0		
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									

Proposed Action			
Previous Inspector's Name	Shane Hall	Previous Assistant's Name	
Next Inspection Date	31-Jul-2014	Previous Inspection Date	22-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			