

Bridge Inspection									
Bridge File Number	73203 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1992/1992				Lot No.	2			
Bridge or Town Name	CADOMIN				Inspector Name	Todd Warshawski			
Located Over	WATSON CK, 8.11.107.51, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	40:26 C1 24.244				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	31-Oct-2012			
Legal Land Location	NE SEC 23 TWP 47 RGE 23 W5M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-117:15:12, 53:04:25				Data Entry Date	20-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	13-Nov-2012			
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	160 / 2011 (A)				Dept. Review Date	22-Nov-2012			
Road Classification	RCU-209G-90				Follow-Up By				
Detour Length (km)	83								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member		
Design Loading:	CS750						---> Primary Span		

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	CS3 allowable load is below legal limit.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Set too low at 3 corners (photo)								
Other Sign Types	Curve signs, no file tags.								

Utilities (Located at)									
Utility Attachments									
Telephone	North r/w.				Gas				
Power	3 wires 20m North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Curve 150m west, 200m east.					
Vertical Alignment		6	6						
Roadway Width (m)	10.800								
Approach Bump		7	7						
Guardrail (Y/N)	Yes								
Guardrail		N	N	(Minor scrapes/tear, functioning. Not thrie beam.- Nov/10) Snow covered.					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage		N	N	(Gravel windrows impedes drainage.-05-Feb-2009)					
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SC, 1 Spans, Lengths(m): 12, A-Ident Number: </b> )						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow/gravel covered.	
<b>Last</b>	100	0	0	0		
<b>Now</b>	100.0	0.0	0.0	0.0		
Wearing Surface			X	X		
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)						
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	N	(Buffer angles.-05-Feb-2009)	
Bump (Y/N)		No				
Deck Drainage			N	N	(Flow to West.-05-Feb-2009)	
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	Paint peeling off outside fascia. Snow covered.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			4	4	Double layer spliced incorrectly & missing 32 splice bolts.(photo)	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts			8	N		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			8	N		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Girders			8	5	Typical diagonal cracks on G3-G11. All cracks <0.5m	
Last Complete Inspection Date		31-Oct-2011				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : <b>11</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>8</b>	<b>5</b>		

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)							
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 1:1)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		2 HP 310 caps, 2 total including end support corbels. Ext piles modif welded HP 250 corbel to vertical face for bearing cap support .	
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7		
(Type : STEEL)							
(Depth(mm) : 310)							
(Width(mm) : 310)							
Backwalls/Breastwalls				7	6		
Greatest Height (m)		3.00					
Wingwalls				4	4		Cracked top plank @ NE wingwall - photo.
(Total Number of Bearing Piles : 9:9)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Numerous piles out of plane; during construction. Piles not anchored. A2-P2, P3 P4 driven out of plumb - photo. A2P5 local crease - photo.	
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Piles				5	5		
Paint/Coating				4	5		Rusting/peeling. Blue.
Abutment Stability				8	8		
Scour/Erosion				8	8		
<b>Piers/Bents</b>							
(Type : )							
(Total Number of Caps/Corbels : )							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Bearing Seats/Caps/Corbels				X	X		
(Type : )							
(Depth(mm) : )							
(Width(mm) : )							
(Total Number of Bearing Piles : )							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>							
Pier Shaft/Piles				X	X		
Greatest Height (m)							
Bracing/Struts/Sheathing				X	X		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description : )							
(Colour Code : )							
Pier Stability				X	X		

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



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			