

Bridge Inspection									
Bridge File Number	73201 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1982/1982				Lot No.	2			
Bridge or Town Name	CADOMIN				Inspector Name	Todd Warshawski			
Located Over	TRIBUTARY TO MCLEOD RIVER, 8.11.107.52, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	40:26 C1 27.961				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	31-Oct-2012			
Legal Land Location	NE SEC 16 TWP 47 RGE 23 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-117:18:07, 53:03:41				Data Entry Date	21-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	20-Nov-2012			
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	160 / 2011 (A)				Dept. Review Date	06-Dec-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:	MS23						----> 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	Not attached to bridgerail posts. Not at correct height & leaning. Paint is worn								
Other Sign Types	Missing file tags.								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	South r/w.				Gas				
Power	3 lines power south r/w. 5 wires crossing 100m West.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Horizontal curve on WB.				
Vertical Alignment			7	7					
Roadway Width (m)	8.700								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Torn NW flexbeam transition. Split post @ SW. Insufficient length & posts. (NE & SE turndown ends damaged.-03-Oct-2012) Not thrie beam.				
Guardrail			4	4					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			4	N	Windrows blocking drainage under approach rails impedes drainage from approach road.-05-Feb-2009				
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered
Last	0	0	0	0	
Now	100.0				
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			5	N	Wheel line visible.-05-Feb-2009 Light/medium scaling along surface of girders.-03-Oct-2012 Snow covered.
Deck Rideability			7	7	
Deck Joints			4	N	Most buffer angles covered with gravel. Partial missing 2 buffer angles @ A1G6 & A2G3.-03-Oct-2012
Bump (Y/N)		No			
Deck Drainage			5	N	Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			6	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	S. rail - accident damage along top & midrail. Creased but functional.-photo
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	N	Loose A/B nuts SW, & SE posts - photo.-05-Feb-2009
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Girders			5	5	Small chip at outside bottom of G8. Hairline diagonal cracks on underside of curb units at all 4 corners less than 0.5m. Light/medium scaling along surface of girders.
Last Complete Inspection Date		31-Oct-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1300)					
(Total Number of Caps/Corbels : 3:3)				2 - 300 x 300 TT subcap, 6 total.	
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Bearing Seats/Caps/Corbels				5	5
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			4	4	A1 - backwall sheathing not low enough. Not low enough to West AB.
Greatest Height (m)		2.75			
Wingwalls			6	6	1 wingwall pile, 4 total.
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
Piles				4	4
Paint/Coating				X	X
Abutment Stability			7	4	Minor loss of fill on West AB.
Scour/Erosion			6	4	Minor loss of fill on West AB.
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now					
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)	
Last	0	0	0	0	
Now					
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 :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			old piles
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace damaged rail sections on S. side & tighten A/B nuts @ SE & SW.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2012	Annually wash deck surface & gutters.					
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2013	Consider Level II timber coring inspection on all TT caps & especially TT piles. - Low priority					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP	2013	15m3 CL2 along West abut., riprap more economical.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2013	Consider installation of bridge file tags.					
OTHER ACTION	2013	Replace torn fixbeam section @NW; damaged turn down ends @ NE & SE; and split TT post @ SW approach rail.					
OTHER ACTION	2013	Remove gravel windrow under approach rails to improve drainage.					
OTHER ACTION	2013	Recommend placement of additional backwall sheathing along A1.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	60.4/57.9	Est. Repl. Yr	2035	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							

Previous Inspector's Name	Brent Herrick	Previous Assistant's Name	Junaid Iqbal
Next Inspection Date	31-Jul-2014	Previous Inspection Date	03-Oct-2012
Inspection Cycle (Default) (months)	21		
Comment			