

Bridge Inspection							
Bridge File Number	72641 -1 Bridge			Form Type	PT		
Year Built/Year Supstr	1938/1938			Lot No.	2		
Bridge or Town Name	CADOMIN			Inspector Name	Garry Roberts		
Located Over	MCLEOD RIVER, 8.11.107, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	40:26 C1 26.003			Assistant Name	Randy Bredo		
Water Body Cl./Year				Assistant Class	BR CLS A		
Navigabil. Cl./Year				Inspection Date	07-Jun-2012		
Legal Land Location	NE SEC 22 TWP 47 RGE 23 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:16:44, 53:04:17			Data Entry Date	15-Oct-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA13			Review Date	08-Oct-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Brent Herrick		
AADT/Year	160 / 2011 (A)			Dept. Review Date	13-Nov-2012		
Road Classification	RCU-209G-90			Follow-Up By			
Detour Length (km)	83						
Allowable Load (t):	Single	CS1 30 STRINGER	Semi	CS2 51 U1U2	Train	CS3 63 U2U3	----> On Critical Spans ---->Critical Member
Design Loading:	HS15						----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Information								

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	North on bridge/conduit.		Gas
Power	3 lines north r/w and crosses East.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	6	Curves on both ends & crest. Bridge is on uphill grade to East.
Vertical Alignment		6	6	
Roadway Width (m)	11.000			gravel
Approach Bump		5	5	
Guardrail (Y/N)	Yes			Broken post at NW and SE. Damaged flexbeam at SE. Missing 2 splice bolts at SW. Not thrie beam
Guardrail		N	3	
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	Turned Down			
Drainage		N	7	
Approach Road General Rating		5	6	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0032-11;A0032-15)						
Special Features						
Special Feature			4	Diagonal Strengthening Rods. U2L3, U4L3, U5L4 on South truss are loose.		
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	100	0	0	0		
Now						
Wearing Surface/Deck Top			N	6		
(Material Type : COPPER CHROMATE ARSENATE TREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 300)						
Deck Rideability			7	7		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Curbs/Wheel Guards			N	4	5 TT blocks rotated/missing. 5 blocks split, bolts missing og washers at SW and NW corners.-still functional	
(Curb Type : Standard)						
(Type : TREATED TIMBER)						
(Thickness(mm) : 200)						
(Width(mm) : 250)						
Bridge Rail			4	4	Double layer flexbeam. Clipped to vertical chords. 6 splice bolts missing. SW end post cracked 45%.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts/Blocking			5	4	Surface corrosion at blocking. Galvanize is good.	
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			4	4		
(Type : PAINT)						
Sidewalk			X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0032-11;A0032-15)						
Wide Load Damage (Y/N)	No					Maximum 25mm sweep in top chord, strengthened.
Top Chord			6	6		
Batter Posts			6	6		U2L2N outside truss has 1 bullet hole.
Diagonals			5	5		1 clip angle missing at U1L1S inside truss.-not required 1 bolt missing on L2S horizontal gusset plate.
Verticals			5	5		Abutment floor beams supported @ 4 points.
Connections			5	4		L1L1, L2L2, L4L4 & L5L5 have welded butt splices. Welded tie plates. Welded butt flanges plus minor bends. L2L3N and L3L4N
Floor Beams			5	5		missing holes through outside plates.
Bottom Chord			5	5		8 bay x 6 bays.
Lateral Bracings			5	5		Bay 1 stringer 1 bottom flange bent up 60mm.-photo Choker damage SW corner to stringer and lower cross brace.
(No. of Stringers : 48)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			5	5		Refer to 2012 UT report. Isolated missing bolts and rough torched holes. See UT 2012 for minor defects.
(Type : STEEL)						
(Width(mm) : 170)						
(Depth(mm) : 360)						
(Spacing(mm) : 1150)						
Paint Condition			3	4		Top coat and primer 30% corroded.
(Colour Description :)						
(Colour Code :)						
Touchup Required (Y/N)	No					Silver.
Bearings			3	3		SW masonry plate bent, grout pad deteriorated and bearing plate bent up 20mm.-photo Gravel & dirt on seats.
Temperature (deg. C)	10					
(Expansion Type : SLIDING PLATE)						
(Fixed Type : PINNED BEARING)						
Functioning (Y/N)	Yes					
Sub Deck/Deck Underside			6	5		
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 150)						
(Plank Width(mm) : 300)						
Defects (Percent Area)	2					
Span Alignment Problems						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
Superstructure General Rating			3	3		
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure							
Bridge Component				Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : 1:1)						Honeycomb on East abutment.	
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				6	6		
(Type : CONCRETE)							
(Depth(mm) :)							
(Width(mm) :)							
Backwalls/Breastwalls				6	6		Medium scaling East breastwall.
Greatest Height (m)		3.60					
Wingwalls				6	6		
(Total Number of Bearing Piles : 0:0)						Buried.	
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	100	0	0	0			
Now	10						
Piles				N	N		
Paint/Coating				X	X		
Abutment Stability				7	7		
Scour/Erosion				4	N		Erosion at SE abutment undermining abut.-Nov 2010 Water to high to confirm Previously rated 4
Piers/Bents							
(Type :)							
(Total Number of Caps/Corbels :)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now							
Bearing Seats/Caps/Corbels				X	X		
(Type :)							
(Total Number of Bearing Piles :)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
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 :)							
Pier Stability				X	X		
Scour				X	X		
Debris (Y/N)		No					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Stream impinging on SE corner eroding bank. Gravel bar forces flow to East bank.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		6	6	
HWM (m below Top of Curb)				(Water to deck 4.2m; bed to deck 5.0m. -18-Apr-2007) HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		4	4	Class 2 on West bank. Natural rock on East bank. Not enough rock @ SE corner-photo
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Reviewed By		Date		Estimated 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	07-Mar-2014	Previous Inspection Date	22-Nov-2010		
Inspection Cycle (Default) (months)	21				
Comment					