

Bridge Inspection									
Bridge File Number	78104 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1976/1976				Lot No.	2			
Bridge or Town Name	PEERS				Inspector Name	Eric Carcoux			
Located Over	MCLEOD RIVER, 8.11.107, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	32:08 C1 13.105				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	14-Oct-2012			
Legal Land Location	NW SEC 34 TWP 54 RGE 14 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-115:59:26, 53:42:42				Data Entry Date	06-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Stew Hagan			
Contract Main. Area	CMA12				Review Date	12-Dec-2012			
Clear Roadway/Skew	10.4 /				Dept. Reviewer Name	Paul Catt			
AADT/Year	1,250 / 2011 (A)				Dept. Review Date	18-Jan-2013			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	60								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single			Semi			Truck Train		
Posted Loading (t)	Single			Semi			Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Information, Warning. Missing "McLeod River" sign @ SE.								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	West r/w, conduit East curb.				Gas				
Power					Municipal				
Others	Fibre optics East r/w.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	No passing. Curve at both ends. Bottom of sag.				
Vertical Alignment			6	6					
Roadway Width (m)	10.700								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Not standard post spacing. Missing guardrail splice bolts at NE - photo. NE & SE transition only have one bolt - photo. 34.2m @ SW; 41.8m @ NE; 49.4m @ NW; 99.0m @ SE. Not thrie beam transition.				
Guardrail			4	4					
Length (m)	41.800								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			N	5					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VF, 4 Spans, Lengths(m): 33.5-33.5-33.5-33.5, A-Ident Number:)					
Special Features					
Special Feature		8	7		
(Type : EXT LATER POST TENS)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	30	0	0	0	
Now					
Wearing Surface		4	5	(All spans have 3 to 4 wide GKC's. Damage from lugs full length. Deck spalls @ P1 blockout. 10/May/2007) Chipseal worn bare in S1 near SB shoulder. Also worn bare @ jts in direction of travel.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		N	4	Curb cover plate bent up 20mm @ pier 1 east side . Seals not viewed due to gravel. Debris on seat at East end of centre and South piers.	
Temperature (deg. C)		5			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
70		S. abut			
80		Pier 1			
80		Pier 2			
84		Pier 3			
75		N. abut			
Deck Drainage		N	5	Bird baths @ SW & SE. -01-Feb-09	
Drains Clogged (Y/N)		No			
Curbs/Median		4	4	There are 7 locations at East girder fascia, curb interface where salt contamination has caused rust stains and deterioration, worst on East side. 600x150 spall on curb top South end SP2, West side.(photo) Top of 2% of W curb.	
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail		7	7	insufficient threads @ NE corner.(50% total)	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		7	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		7	7		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	18	0	0	4	
Now	18	0	0	4	
S2 & S3 viewed from banks/gravel bars.					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : VF, 4 Spans, Lengths(m): 33.5-33.5-33.5-33.5, A-Ident Number:)				
Girders		3	3	Typical chamfer cracking. (S4/G7 longitudinal narrow cracking along lower 75-200mm. 17/Oct/2005) Several rust spots on bottom of legs. Vertical crack @ girder ends. G1SP4, G1SP3, G1SP2 & G7SP1. Horizontal crack with staining at S4G1, from waste strand left in form. Salt stains, spalling with rust on deck underside diaphragm and legs S4G 1, 2,7, at pier.
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 36)				
Diaphragms/Cross Frame		4	4	End diaphragms cracked & have rust stains @ numerous locations.
Bearings		7	7	fixed at piers
Temperature (deg. C)	5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	
Stains (Percent Area)	1			
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				
Bearing Seats/Caps		4	4	SW corner of seat delam/crack - photo.
(Type : CONCRETE)				
Backwalls/Breastwalls		4	4	Spall at SW corner below joint delam.
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		4	4	Vertical faces peeling/scaling.
Abutment Stability		8	7	
Scour/Erosion		5	5	
Piers/Bents				
(Type : PIER-SOLID)				Delam crack at West side of center cap extends under bearings of ext girders of span 2 and 3. Delam crack @ P3 North face West end 1000 long.-photo Delam crack P2 West side. Keeper blocks on all piers are deteriorating with spalls. Wide crack c/l P1. South face. Dirt on pier caps.
Bearing Seats/Caps		3	3	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				Center pier has concrete bracing @ both ends. Bracing is cracked.
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Paint blistering & peeling on North and center pier.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				River deflects off south headslope.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	4	Crack on slope protection on South end allowing water to filter underneath protection. South slope protection out 320 down 70. North slope protection out 390 down 50.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		7	7	At NW corner.
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Proposed Action			
Previous Inspector's Name	Kris Bosters	Previous Assistant's Name	
Next Inspection Date	14-Jul-2014	Previous Inspection Date	14-Dec-2010
Inspection Cycle (Default) (months)	21		
Comment			