

Bridge Inspection										
Bridge File Number	08196 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1958/1958				Lot No.	2				
Bridge or Town Name	LA COREY				Inspector Name	Wade Nanninga				
Located Over	BEAVER RIVER, 7, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	41:24 C1 13.455				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Apr-2012				
Legal Land Location	SW SEC 30 TWP 62 RGE 5 W4M				Data Entry By	Lisa Fairhurst				
Longitude, Latitude	-110:45:19, 54:23:20				Data Entry Date	24-Apr-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA08				Review Date	17-Apr-2012				
Clear Roadway/Skew	13 / 30 deg. (RHF)				Dept. Reviewer Name	Brent Herrick				
AADT/Year	4,020 / 2011 (A)				Dept. Review Date	04-May-2012				
Road Classification	RAU-213.4-110				Follow-Up By					
Detour Length (km)	35									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		---> On Critical Spans --->Critical Member
Design Loading:	MS300									---> 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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks	Required.								
Other Sign Types	"Beaver River" @ NW only. Bridge plaque @ SE and NW corners removed(photo)								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	West r/w.				Gas					
Power	3 wires OH 30 m East of c/l.				Municipal					
Others	WSC @ SW.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Intersection to north of bridge. Steep grade to north + 5%. Climbing lane to North of bridge.				
Vertical Alignment			5	5					
Roadway Width (m)	13.900				Both approaches settled creating dip/bump, more severe for heavy trucks.				
Approach Bump			4	4					
Guardrail (Y/N)	Yes				Radius type @ NW to accommodate local road jct. Not thrie beam transition & insufficient posts - photo				
Guardrail			7	7					
Length (m)	99.000								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			3	4	Drain troughs cracked/broken No drain troughs installed on North end				
Approach Road General Rating			3	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 4 Spans, Lengths(m): 34-24.8-24.9-28, A-Ident Number: A1041-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now	0.0	0.0	0.0	0.0		
Wearing Surface			6	6	Chipseal worn in wheelpaths.	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 90)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			3	4	North abutment joint concrete paving lip delam / potholes. -photo - filled columns Paving lip @ S abutment spalled creating pothole, 780mmx350mm-photo.- filled with cold mix - beginning to unravel (Water on S. and N abut seats indicates joints leaking.- 14Jul/10)	
Temperature (deg. C)		0				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
60		South abutment				
70		North abutment				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Approx 20% of the top parging has peeled from the top of the curbs - photo. Inside face of both curbs have numerous small spalls - photo. Underside of curb @ SW corner has 300x300 spall-photo.	
(Curb Type : Standard)						
Scaling (Percent Area)		20				
Bridge Rail			8	8	10% post grout pads have delam - photo. Post base plate rusting approx 10%- photo.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	4		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			4	4		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X	Visual inspection from abutments. Bridge in bottom of vertical sag curve, girders have sag profile. S2 & S3 girders not accessible, rated what's visible.	
Flange			8	8		
Web			8	8		
Stiffeners			8	8		
Splice			8	8		
Weld			8	8		
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 4 Spans, Lengths(m): 34-24.8-24.9-28, A-Ident Number: A1041-01)				
Paint Condition		8	8	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		4	5	All abutment bearings missing double nut. Missing total of 20 large nuts & 20 thin nuts at abutments
Temperature (deg. C)	0			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	5	Cracking with efflorescence staining @ N pier
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		4	4	Fill settled full length of N. abut creating void below concrete.-photo Horiz. cracking at NE
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		7	4	Spall @ NE corner-photo
Piles		N	N	
Paint/Coating		5	6	
Abutment Stability		8	8	
Scour/Erosion		8	4	Settld fill & erosion gully@ N abut 0.2 x 0.2 x 8m
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	3	Piers viewed from banks - not accessible.
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		4	4	3 delams South face South pier (4m2) - photo.
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		6	6	off white
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	N	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				45degree bend u/s 100m
(D/S Direction : W)				
Alignment		8	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				not visible
Drift (Y/N)	Yes			
Slope Protection		4	4	Erosion gully under S4G3 @ A2. Void under A2 cap/seat - photo. Riprap placed on north headslope, bottom half.
(Type : NATURAL; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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	09-Jan-2014	Previous Inspection Date	14-Jul-2010		
Inspection Cycle (Default) (months)	21				
Comment					