

Bridge Inspection									
Bridge File Number	77607 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	1966/1966				Lot No.	1			
Bridge or Town Name	ACADIA VALLE				Inspector Name	Owen Salava			
Located Over	2ND ORDER TRIBUTARY TO RED DEER RIVER, 3.4.6, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	41:10 C1 30.180				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	18-Jul-2012			
Legal Land Location	NE SEC 21 TWP 25 RGE 2 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:13:13, 51:09:13				Data Entry Date	02-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA22				Review Date	31-Jul-2012			
Clear Roadway/Skew	10.7 / -20 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	580 / 2011 (A)				Dept. Review Date	07-Aug-2012			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	3								
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	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)	No								
Remarks	Not required.								
Other Sign Types	Corner Ahead.								
Utilities (Located at)									
Utility Attachments									
Telephone	West ditch.				Gas				
Power	2 wire crossing 200m North.				Municipal				
Others	Fibre optics East r/w.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Acadia intersection at NE. No passing.				
Vertical Alignment			8	8					
Roadway Width (m)	10.000								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Minor collision damage NE corner.				
Guardrail			6	6					
Length (m)	26.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 8.5, A-Ident Number:)					
Special Features					
Special Feature			X	File tags SE & NW.	
(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			X	X	Wide long. crack in connector pockets.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			5	5	Medium to wide cracks girder tops @ 3, 4, 6 & 8.
Deck Rideability			8	8	
Deck Joints			7	7	No formal deck jnts, only angle iron cast into the ends of the girders.
Bump (Y/N)		No			
Deck Drainage			5	5	No drains. Active leakage btwn all girder units.
Drains Clogged (Y/N)					
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	2 ply thrie beam.
(Type : GALVANIZED STEEL THRIE BEAM)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	2001 casting marks.
Last	0	0	0	0	
Now	0	0	0	0	
Girders			5	5	
Last Complete Inspection Date		18-Jul-2012			E curb unit hairline logit. crack 3/4 length. Medium to wide longit. cracks in deck, G3,4,6 & 8; ot continuous. Connector pocket grout cracked along girder lines.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
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) : 1500)							
(Total Number of Caps/Corbels : 3:3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7		
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300)							
Backwalls/Breastwalls			6	6			
Greatest Height (m)		2.90					
Wingwalls			5	6			
(Total Number of Bearing Piles : 9:9)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	3	0	0	1			
Now	0	0	0	1			
Piles				3	3		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				N	5		
Localized shallow scour under bridge.							
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 :)							
(Depth(mm) :)							
(Width(mm) :)							
(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			7	7			
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							
150 x 200 TT struts.							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		3	3	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		6	6	
Bank Stability		N	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK	2020	Consider deck overlay in next major rehab.					
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Seal cracks in girder tops with GF epoxy.					
OTHER ACTION	2012	Recast girder connector pockets.					
OTHER ACTION	2012	Band 1 pile at A1.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	60.6/60.8	Est. Repl. Yr	2026	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	18-Apr-2014		Previous Inspection Date	29-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							