

Bridge Inspection										
Bridge File Number	73310 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1995/1995				Lot No.	2				
Bridge or Town Name	ALDER FLATS				Inspector Name	Owen Salava				
Located Over	MINK CREEK, 6.132.2.14, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	13:04 C1 13.859				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	25-Jun-2012				
Legal Land Location	SE SEC 2 TWP 46 RGE 6 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-114:45:44, 52:55:52				Data Entry Date	15-Jul-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA17				Review Date	05-Jul-2012				
Clear Roadway/Skew	9.5 / 15 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,000 / 2011 (A)				Dept. Review Date	19-Jul-2012				
Road Classification	RAU-209-110				Follow-Up By					
Detour Length (km)	4									
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	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)	No									
Remarks										
Other Sign Types										

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	In south r/w.				Gas				
Power	3 wires 25m North of c/l & 2 wires 30m East.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residence & approaches @ all 4 corners.				
Vertical Alignment			8	8					
Roadway Width (m)	9.500				Approach slab appears to have been cored but holes not grouted.				
Approach Bump			5	6	E slab has spall near buffer angle. Several spalls along at W slab.				
Guardrail (Y/N)	Yes				Missing nut on 1st post @ NE & bolt too short.				
Guardrail			4	4	NE - 37.2m; NW, SW & SE - 23.0m.				
Length (m)	23.000				Insufficient length.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 8-12-8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		6	6	FRC O/L - random map cracking.	
(Material Type : CONCRETE)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		7	7	Buffer angle.	
Bump (Y/N)		No			
Deck Drainage		4	4	One stub drain broken @ Sp. 3-G1 - photo. SW leaking / staining U/S around drain.	
Drains Clogged (Y/N)		No			
Curbs/Median		6	6	Transverse 0.3m wide cracks. Vertical cracking in curbs. Efflorescence at cracks in curb ext.	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(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	0	0	0	0	
Now	0	0	0	0	
Girders		7	7	Curb unit exterior coating is cracked & peeling.	
Last Complete Inspection Date		25-Jun-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating		7	7		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
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				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			N	N		
Greatest Height (m)		1.00				
Wingwalls			8	8		
(Total Number of Bearing Piles : 0:0)				Piles buried in fill.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
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				8	8	
(Type : CONCRETE)						
(Depth(mm) : 800)						
(Width(mm) : 750)						
(Total Number of Bearing Piles : 5:5)				Steel pipe piles.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.00				
Bracing/Struts/Sheathing				X	N	
Nose Plate				X	N	
Paint/Coating				8	8	
(Colour Description :)						
(Colour Code :)						
				Galvanized		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM. Small beaver dam South side.
Drift (Y/N)	No			
Slope Protection		7	7	
(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	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch approach slab spalls 0.1m3 NH.					
OVERLAY DECK							
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	Chip out broken 100 mm PVC, stub drain and install new at SE - 100 mm dia by 150 mm long PVC pipe.					
OTHER ACTION	2012	Fill holes in approach slab with grout, 0.05m3 NH.					
OTHER ACTION	2012	Upgrade approach rail to meet standard. Install missing nut on NE post; replace bolt.					
OTHER ACTION							
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OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	74.9/74.9	Est. Repl. Yr	2050	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	25-Mar-2014		Previous Inspection Date	24-Aug-2010			

Inspection Cycle (Default) (months)	21
Comment	