

Bridge Inspection									
Bridge File Number	09395 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1972/1972				Lot No.	1			
Bridge or Town Name	Airdrie				Inspector Name	Garry Roberts			
Located Over	TRIBUTARY TO WEST NOSE CREEK, 2.13.32.1.6, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	567:02 C1 19.347				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	25-Jul-2012			
Legal Land Location	SE SEC 3 TWP 27 RGE 2 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:11:39, 51:16:15				Data Entry Date	30-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA29				Review Date	07-Aug-2012			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	2,960 / 2011 (A)				Dept. Review Date	06-Sep-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS 1 28 GIRDER	Semi	CS 2 49 GIRDER	Train	CS 3 65 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> 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)		In Advance (Y/N)				At Bridge (Y/N)
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)				At Bridge (Y/N)
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	North ROW.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Recently paved.				
Vertical Alignment			7	7					
Roadway Width (m)	9.800				Wrong lap at NW and SE - not downrated due to T.D. end				
Approach Bump			5	7					
Guardrail (Y/N)	Yes				Not thriebeam.				
Guardrail			5	5					
Length (m)	22.800								
Current Standard (Y/N)	No								
Termination Type	TURN DOWN								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 6.1, 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	7	Now 100mm of ACP after recent paving.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	Minor spalls @ NE and SW.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Double layer.
(Type : STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	2	
Now	0	0	0	2	
Girders			3	3	G5 and G6 have wide cracks in AZ. 4 other girders have wide cracks in AZ in 1 leg only.
Last Complete Inspection Date		25-Jul-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
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			3	3	

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 : :)				Caps have been cored.	
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				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 355)					
(Width(mm) : 305)					
Backwalls/Breastwalls				7	7
Greatest Height (m)		2.50			
Wingwalls				7	7
(Total Number of Bearing Piles : 6:6)				Piles have been cored but all core hole approx. 1.8m above stream bed and may not reflect worst condition.	
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				7	6
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	7
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 :)					
210 MM X 150 MM 6 STRUTS.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old piles under bridge.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				No Visible HWM.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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							
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	53.2/54.4	Est. Repl. Yr	2026	Maint. Req. (Y/N)	No
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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	25-Oct-2015		Previous Inspection Date	14-May-2009			
Inspection Cycle (Default) (months)	39						
Comment							