

Bridge Inspection							
Bridge File Number	13114 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1961/1961			Lot No.	3		
Bridge or Town Name	AIRDRIE			Inspector Name	Colin Roy		
Located Over	NOSE CREEK, 2.13.32, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	18-Aug-2010		
Legal Land Location	NE SEC 36 TWP 26 RGE 1 W5M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-114:00:27, 51:16:15			Data Entry Date	03-Dec-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Garry Roberts		
Contract Main. Area	UNDEFINED CMA			Review Date	14-Sep-2010		
Clear Roadway/Skew	13.8 /			Dept. Reviewer Name	Lorenz Bohnert		
AADT/Year	15,000 / 2002 (E)			Dept. Review Date	13-Dec-2010		
Road Classification	RCU-211.0-110			Follow-Up By			
Detour Length (km)	3						
Allowable Load (t):	Single	CS1 23 GIRDER	Semi	CS2 40 GIRDER	Train	CS3 58 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information							
Required Load Posting (t)	Single	23	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 req.						
Hazard Marker At Bridge (Y/N)	No						
Remarks							
Other Sign Types	Route, speed, 60 km/hr						

Utilities (Located at)							
Utility Attachments							
Telephone	In area			Gas			
Power	In area			Municipal			
Others	Light standards			Problem (Y/N)	No		
Remarks							

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		5	5	Intersection with traffic lights 10m West	
Vertical Alignment		7	7		
Roadway Width (m)					
Approach Bump		7	7		
Guardrail (Y/N)	Yes			Insufficient bolt length at SE corner 95m at NE	
Guardrail Length (m)		8	4		
Current Standard (Y/N)	Yes				
Termination Type	Turndown				
Drainage		7	7		
Approach Road General Rating		5	5		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC (SC, SM), 3 Spans, Lengths(m): 6.1-8.5-6.1, 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			7	6	Narrow longitudinal cracks at WBL. Diagonal cracking at 100mm above north CIP girder span 1
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	6	Transverse and longitudinal narrow either side of median
Deck Rideability			8	8	
Deck Joints			8	8	Galv. buffer angles
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		2			
Bridge Rail			9	9	
(Type : GALVANIZED STEEL THRIE BEAM)					
Bridge Rail Posts			9	9	
(Type :)					
Bridge Rail/Posts Coating			8	8	
(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			8	7	Bridge has been widened several times and is comprised of CIP sections at east end and a mix of SL-SC and SM girders. 4 transverse cracks with efflorescences CIP girder, span 2, south side
Last Complete Inspection Date		18-Aug-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 81)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	7	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1600)					
(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 : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		3.20			
Wingwalls			8	8	
(Total Number of Bearing Piles : 25:23)			23 piles at East abut.		
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			8	8	
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 : STEEL)					
(Depth(mm) : 305)					
(Width(mm) : 620)					
(Total Number of Bearing Piles : 25:24)			24 piles at East abut.		
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)		3.00			
Bracing/Struts/Sheathing			7	7	
Nose Plate			8	8	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		8	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Ped. bridge 25m D/S
(D/S Direction : S)				
Alignment		6	7	
Bank Stability		6	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		6	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		6	7	

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	2010	Replace Short GR bolts					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/77.8	Sufficiency Rating (Last/Now) (%)	75.8/71.8	Est. Repl. Yr	2060	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	18-Nov-2013		Previous Inspection Date	01-Mar-2010			
Inspection Cycle (Default) (months)	39						
Comment							