

Bridge Inspection											
Bridge File Number	74458 N-2 Bridge				Form Type	SG					
Year Built/Year Supstr	1997/1997				Lot No.	4					
Bridge or Town Name	ALDERSYDE				Inspector Name	Garry Roberts					
Located Over	HIGHWOOD RIVER, 2.13.27, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	2:12 R1 11.806				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	03-Oct-2011					
Legal Land Location	NE SEC 6 TWP 20 RGE 28 W4M				Data Entry By	Erin Roberts					
Longitude, Latitude	-113:51:42, 50:40:09				Data Entry Date	16-Nov-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey					
Contract Main. Area	CMA27				Review Date	07-Oct-2011					
Clear Roadway/Skew	12.4 / -20 deg. (LHF)				Dept. Reviewer Name	Tim Davies					
AADT/Year	15,040 / 2010 (A)				Dept. Review Date	17-Nov-2011					
Road Classification	RFD-412.4-130				Follow-Up By						
Detour Length (km)	1										
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)		In Advance (Y/N)		At Bridge (Y/N)				
Remarks	Not required										
Hazard Marker At Bridge (Y/N)	No										
Remarks											
Other Sign Types	CURVE,										
Utilities (Located at)											
Utility Attachments											
Telephone	@ NORTH R/W				Gas						
Power					Municipal						
Others					Problem (Y/N)	No					
Remarks											
Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			7	7	Curve to West						
Vertical Alignment			8	8							
Roadway Width (m)	13.000										
Approach Bump			6	6							
Guardrail (Y/N)	Yes				4.2m@ West Insufficient posts @ 1.9m spacing Flare end @ West						
Guardrail			4	4							
Length (m)	68.000				Wrong lap at both West end wing ends						
Current Standard (Y/N)	No										
Termination Type	TURNDOWN										
Drainage			7	7							
Approach Road General Rating			7	7							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 28-35-28, A-Ident Number: A1278-01)					
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	7	Chipcoat on 50mm ACP
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	Paved Over.
Deck Rideability			8	7	
Deck Joints			8	7	Staining at abut. seats previous to deck pour
Temperature (deg. C)		18			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
80		W ABUT			
75		E ABUT			
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	TRANSVERSE NARROW & MED CRACKS @ 1 m SPACING
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Galvanized rail. Pigmented sealer peeling at curb exterior
(Type : BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	5		
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			8	7	
Web			8	7	
Stiffeners			8	7	
Splice			8	7	
Weld			8	7	
Diaphragms/Cross Frame			8	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 28-35-28, A-Ident Number: A1278-01)				
Paint Condition		X	X	WEATHERING STEEL
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	7	A/B are too high and missing 2 nuts at A2
Temperature (deg. C)	18			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : ROCKER BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE @ EXTERIOR.
Stains (Percent Area)	2			
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				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	7	
Piles		N	N	Buried.
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4:4)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	Concrete blocks
Nose Plate		X	X	
Paint/Coating		7	6	Galvanized
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	7	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	5	Steep cut @ North- D/S
HWM (m below Top of Curb)	4.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Class 2 @ West 50 mm Dia @ East
(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	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/83.3	Sufficiency Rating (Last/Now) (%)	70.4/67.2	Est. Repl. Yr	2073	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	03-Jul-2013		Previous Inspection Date	10-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							