

Bridge Inspection										
Bridge File Number	77260 N-1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2001/2001					Lot No.	4			
Bridge or Town Name	ALDERSYDE					Inspector Name	Garry Roberts			
Located Over	MUNICIPAL ROAD;CPR					Inspector Class	BR CLS A			
Located On	2:12 R1 8.412					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	03-Oct-2011			
Legal Land Location	SW SEC 33 TWP 19 RGE 28 W4M					Data Entry By	Erin Roberts			
Longitude, Latitude	-113:50:11, 50:38:48					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 / -38 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)										
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 Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N) Yes												
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	7.2	In Advance (Y/N)	Yes
Remarks												
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 Not required												

Hazard Marker At Bridge (Y/N)		No										
Remarks												
Other Sign Types												

Utilities (Located at)												
Utility Attachments												
Telephone	E R/W					Gas						
Power	1 wire 150m East					Municipal						
Others	Light Standards					Problem (Y/N)	No					
Remarks												

Approach Road												
				Last	Now	Explanation of Condition						
Horizontal Alignment				7	7	Curve to North						
Vertical Alignment				6	6	On crest curve over CPR						
Roadway Width (m)		12.400										
Approach Bump				7	7							
Guardrail (Y/N)		Yes			Thrie beam and steel posts @ bridge 10m long @ NW							
Guardrail				8	8							
Length (m)		99.000										
Current Standard (Y/N)		Yes										
Termination Type		TURNDOWN										
Drainage				5	7							
Approach Road General Rating				6	6							

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CBC, 1 Spans, Lengths(m): 38, A-Ident Number:)						
Special Features						
Special Feature			7	Safety Rail Galv. rail and cables on top of MSE wall cap		
(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		
(Material Type : CONCRETE)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			X	X		
Deck Rideability			7	7		
Deck Joints			8	7	Buffer Angle	
Temperature (deg. C)		18				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	7		
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	7	Some bolts @ West. Exterior splices not galvanized-minor corrosion	
(Type : BRIDGE TUBE)						
Bridge Rail Posts			8	7		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			6	6		
(Type :)						
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	8		
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : 11)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CBC, 1 Spans, Lengths(m): 38, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	7	Viewed with binoculars
Temperature (deg. C)	18			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
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	Common MSE panels with S/B bridge
Wingwalls		7	7	MSE wall panels. Minor damage to NE bridge plaque
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		8	7	
Scour/Erosion		X	X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	Curves @ both ends 12m road under bridge North of CPR
Traffic Safety Features		7	7	
Type	GUARDRAIL			
Slope Protection		8	8	MSE vertical retaining walls
(Type :)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation 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							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
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) (%)	74.7/71.4	Est. Repl. Yr	2061	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	11-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							