

Bridge Inspection							
Bridge File Number	00223 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1963/1963			Lot No.	3		
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	547:02 C1 1.207			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	03-Jan-2012		
Legal Land Location	NE SEC 18 TWP 20 RGE 28 W4M			Data Entry By	Anne Roberts		
Longitude, Latitude	-113:51:54, 50:41:49			Data Entry Date	30-Jan-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	CMA27			Review Date	05-Jan-2012		
Clear Roadway/Skew	7.9 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	1,230 / 2010 (A)			Dept. Review Date	06-Feb-2012		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	10						
Allowable Load (t):	Single	CS1 50 GIRDER	Semi	CS2 55 GIRDER	Train	CS3 68 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)	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	Not required.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-Telus ducts under south curb Oct 2007		
Telephone	25.0m North of c/l & Both R/W		Gas
Power	1 line crossing 100m West & 1 wire 20m North.		Municipal
Others	Conduits under both curbs		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	No passing up both hills, 1m sag curve. Residential access both ends
Vertical Alignment		6	6	
Roadway Width (m)	7.500			Missing 2 splice bolts at NE, 5 at NW and 3 at SW Wrong lap at NE
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	57.000			Not thriebeam
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 3 Spans, Lengths(m): 34.1-34.1-34.1, 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			4	4	Random cracks through out Isolated potholes forming along North curb and trapping water
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			6	6	
Temperature (deg. C)		11			
(Expansion Type : SLIDING PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
65		West abutment			
60		East abutment			
Deck Drainage			4	5	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Transverse cracks narrow width along inside curb face @ curb joint locations; spaced 3.2m apart.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	7	Several A/B nuts just not flush
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts		7	6		
(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			6	6	Typical 1mm wide cracks @ shoe plates.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 12)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 34.1-34.1-34.1, A-Ident Number:)				
Diaphragms/Cross Frame		4	6	Minor spalling at concrete pier diaphragms.
Bearings		6	6	
Temperature (deg. C)	11			
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Deck is poured over joint angles at abuts. causing cracking - poor detail but no problems
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	5	Tight corrosion
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		N	N	Iced over
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Sharp bend d/s
(D/S Direction : N)				
Alignment		7	6	
Bank Stability		6	6	Steep cut @ NE
HWM (m below Top of Curb)	8.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Typical settlement cracks.
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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	2012	Patch ACP along North curb approx. 20m3					
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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	65.4/68.1	Est. Repl. Yr	2034	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	03-Apr-2015		Previous Inspection Date	22-Feb-2010			
Inspection Cycle (Default) (months)	39						
Comment							