

Bridge Inspection									
Bridge File Number	13055 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1996/1996				Lot No.	4			
Bridge or Town Name	CLYDE				Inspector Name	Eric Carcoux			
Located Over	TRIBUTARY TO REDWATER RIVER, 6.63.10, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	18:12 C1 8.366				Assistant Name	Wade Nanninga			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	01-Sep-2011			
Legal Land Location	SE SEC 33 TWP 59 RGE 24 W4M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-113:31:47, 54:08:40				Data Entry Date	30-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	26-Sep-2011			
Clear Roadway/Skew	11.9 / 0 deg.				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,220 / 2010 (A)				Dept. Review Date	05-Oct-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62	
Design Loading:	CS750							----> On Critical Spans ---->Critical Member	
								----> 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)	Yes								
Remarks	Not required. Not at standard location or height.(only 400mm above curb)								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	S Row				Gas				
Power	3 wire S Row				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Resident entrance 40m NE.				
Vertical Alignment			8	8	At east end of curve. Limited sight distance. No passing West bound.				
Roadway Width (m)	9.200								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				36.8m @ NE; 38m @ SE; 40.6m @ SW; 55.8m @ NW.				
Guardrail			6	6	No thrie beam				
Length (m)	36.800								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 2 Spans, Lengths(m): 12-14, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			7	7	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Buffer angles. Paved over.
Bump (Y/N)	No				
Deck Drainage			6	6	Minor staining around deck drains.
Drains Clogged (Y/N)	No				
Curbs/Median			7	6	Narrow transverse cracks spacing @ 500mm. Exterior finish peeling.
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(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					
Now	0	0	0	0	
Girders			5	5	Water stains between girders. Minor staining around deck drains. Cracking at poured joint over pier. Narrow longitudinal cracking in lower curb fascia, N side.
Last Complete Inspection Date	01-Sep-2011				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	0				
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			5	5	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				7	7
(Type : CONCRETE)					
(Depth(mm) : 300)					
(Width(mm) : 600)					
Backwalls/Breastwalls				7	7
Greatest Height (m)		1.50			
Wingwalls				7	7
Random narrow shrinkage cracks.					
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	150	0	0	0	
Now	999	0	0	0	
Piles				N	N
Paint/Coating				X	X
Abutment Stability				8	8
Scour/Erosion				7	7
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				7	7
(Type : CONCRETE)					
(Depth(mm) : 1000)					
(Width(mm) : 700)					
(Total Number of Bearing Piles : 6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				7	7
Greatest Height (m)		2.70			
Bracing/Struts/Sheathing				7	7
Nose Plate				X	X
Paint/Coating				7	7
Galvanized steel and pigmented sealer.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		N	N	
Debris (Y/N)	Yes			Old piles exposed at toe of west headslope - cut off at waterline
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				
Drift (Y/N)	Yes			
Slope Protection (Type : NATURAL; RIP RAP)		5	5	West headslope not protected. No problem. Class 1m rock @ East headslope only. Class 2 rock @ NE corner only.
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	64.1/64.3	Est. Repl. Yr	2054	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	01-Jun-2013		Previous Inspection Date	17-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							