

Bridge Inspection									
Bridge File Number	70277 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1922/1922				Lot No.	2			
Bridge or Town Name	DOVERCOURT				Inspector Name	Owen Salava			
Located Over	CLEARWATER RIVER, 6.159, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	22:22 C1 17.803				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	19-Oct-2012			
Legal Land Location	NW SEC 7 TWP 38 RGE 6 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:51:30, 52:15:13				Data Entry Date	15-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA18				Review Date	30-Oct-2012			
Clear Roadway/Skew	8.8 / -24 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	2,380 / 2011 (A)				Dept. Review Date	16-Nov-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS1 47 GIRDER	Semi	CS2 56 GIRDER	Train	CS3 64 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	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									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Set too high.								
Other Sign Types	Icy patches; Clearwater River.								
Utilities (Located at)									
Utility Attachments									
Telephone	West r/w. Conduit West curb.				Gas				
Power	3 wire 15m East of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Intersection 100m North. East only.				
Vertical Alignment			5	5	Limited sight distance to North on grade. No passing NB.				
Roadway Width (m)	9.200				Insufficient posts.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			4	6					
Length (m)	49.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			4	5					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 4 Spans, Lengths(m): 13.7-32-32-32, A-Ident Number:)					
Special Features					
Special Feature		7	7	Structural tubes and Williams rods. S2-4.	
(Type : UNDERSLUNG DIAPHR)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Gravel along both curbs.
Last	15	0	0	0	
Now	5.0	0.0	0.0	0.0	
Wearing Surface			5	5	Wearing @ N & S abuts. Worn at P1&2 jnts. Minor wear on deck exposing concrete.
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	Covered by chipcoat.
Deck Rideability			7	7	
Deck Joints			4	6	Jnts are dirty. Broken tooth at A2.
Temperature (deg. C)		7			
(Expansion Type : FINGER PLATES;GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
Gap Size (mm)		Gap Location			
86		S. abut - Finger			
76		S 1 pier - Gland			
73		S 2 pier - Gland			
75		N 3 pier - Gland			
110		N. abut - Finger			
Deck Drainage			3	6	
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			7	7	5% insufficient thread.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		5	5		
(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	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 4 Spans, Lengths(m): 13.7-32-32-32, A-Ident Number:)				
Girders		4	4	1 & 6 long. ck'ng, measured on N span 0.15mm x 1903mm long. G2 from W (N span) narrow crack in chamfer extend into deck underside, 0.77m long. Typical F.C. crack, some are medium width. S4G6 has small popout.
Cracking (Y/N)	Yes			
Spalling (Percent Area)	0			
(Number Of Girders : 24)				
Diaphragms/Cross Frame		5	5	Diaphragms at joints cracking on all spans, minor spalling.
Bearings		7	7	Choo-choo bearings over P1 & P3. Fixed P2.
Temperature (deg. C)	7			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Minor spalling in outside bays. Exposed rebar underside of deck in 2nd span.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		X	X	
Piles		4	N	
Paint/Coating		4	4	Peeling & flaking.
Abutment Stability		7	7	
Scour/Erosion		3	6	
Piers/Bents				
(Type : PIER-COLUMN;PIER-SOLID)				Massive concrete piers 2 & 3. Delams top & bottom P1 East end and top at West end. Pier 2 has vertical cracks and delam just above nose plate.
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				Pier 1 has 4 steel pipe piles.
(Total Number of Bearing Piles : 0:0:0)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Nose plates rusting - no action.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	6	
Debris (Y/N)	Yes			Drift caught on P2 nose.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	Steep cut 2 SE. Trail at SE corner has been eroded half way yet alignment is still good.
Bank Stability		5	5	
HWM (m below Top of Curb)	9.0			
Drift (Y/N)	Yes			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Patch spalls, 0.2m3 OH-V.					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2013	Clean jnts & gravel from curbs.					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013	Remove drift.					
OTHER ACTION	2013	Patch diaphragms.					
OTHER ACTION	2013	Set HMs to standard.					
OTHER ACTION	2013	Repair popout.					
OTHER ACTION	2013	Seal abuts.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/50.0	Sufficiency Rating (Last/Now) (%)	49.9/52.1	Est. Repl. Yr	2050	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Cracks marked at NW girder.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	Chip seal by 2012. Rehab 2045 replace 2065. RS						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	19-Jul-2014		Previous Inspection Date	03-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							