

Bridge Inspection										
Bridge File Number	73634 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1974/1974				Lot No.	1				
Bridge or Town Name	ONEFOUR				Inspector Name	Jason Rusu				
Located Over	BARE CREEK, 26.2, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	41:02 C1 29.253				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Jan-2012				
Legal Land Location	SW SEC 32 TWP 3 RGE 2 W4M				Data Entry By	Anne Roberts				
Longitude, Latitude	-110:15:08, 49:14:58				Data Entry Date	29-Feb-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA23				Review Date	23-Jan-2012				
Clear Roadway/Skew	11 / -30 deg. (LHF)				Dept. Reviewer Name	Tim Davies				
AADT/Year	150 / 2010 (A)				Dept. Review Date	11-Mar-2012				
Road Classification	RAU-209-110				Follow-Up By					
Detour Length (km)	32									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	HS25						----> 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	Not required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	None								

Utilities (Located at)										
Utility Attachments										
Telephone	West side.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8						
Vertical Alignment		8	8						
Roadway Width (m)	9.500			Approach transition settled up to 50 mm at NE					
Approach Bump		6	3						
Guardrail (Y/N)	Yes			Split post at SW Not thriebeam					
Guardrail		7	4						
Length (m)	12.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7						
Approach Road General Rating		8	8						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VH, 3 Spans, Lengths(m): 6.1-8.5-6.1, 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			5	5	Cracks @ piers & abut. None btwn gird. All sealed
(Material Type : ACP;MIX TYPE 1 ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	
Bump (Y/N)		Yes			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	5	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	2 LAYER
(Type : GALVANIZED STEEL FLEX BEAM)					
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	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	15 OF 39 GIRDERS HAVE LONGIT ANCHORAGE ZONE CRACKS @ BOTTOM OF WEB 1 OF WHICH IS IN BOTH LEGS WITH wide WIDTH.
Last Complete Inspection Date		15-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 39)					
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					
(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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	7	
(Type : STEEL)					
(Depth(mm) : 309)					
(Width(mm) : 309)					
Backwalls/Breastwalls			5	5	
Greatest Height (m)		1.00			
Wingwalls			4	4	
NW and NE not visible SW, W wall pile tin cap torn- repair					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100	0	0	0	
Now	100	0	0	0	
Piles			N	N	
Paint/Coating			X	X	
Abutment Stability			7	7	
Scour/Erosion			8	8	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			5	5	
(Type : STEEL)					
(Depth(mm) : 309)					
(Width(mm) : 309)					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			5	4	
Greatest Height (m)		3.50			
Bracing/Struts/Sheathing			6	6	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Patch approach @ NE & SW					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2012	Core pier piles					
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) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	64.8/64.6	Est. Repl. Yr	2020	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	Jason Rusu		Previous Assistant's Name				
Next Inspection Date	15-Oct-2013		Previous Inspection Date	06-Aug-2010			
Inspection Cycle (Default) (months)	21						
Comment							