

Bridge Inspection											
Bridge File Number	76089 -2 Bridge				Form Type	PCS					
Year Built/Year Supstr	2005/2005				Lot No.	4					
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava					
Located Over	TRIBUTARY TO NORTH SASKATCHEWAN RIVER, 6.194, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	11:02 C1 3.053				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Feb-2012					
Legal Land Location	NE SEC 15 TWP 35 RGE 19 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-116:37:46, 52:00:48				Data Entry Date	02-Mar-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA18				Review Date	22-Feb-2012					
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	360 / 2010 (A)				Dept. Review Date	09-Mar-2012					
Road Classification	RAU-213.4-110				Follow-Up By						
Detour Length (km)	300										
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 Load Posting (t)			Single		Semi		Truck Train		
Posted Loading (t)			Single		Semi		Truck Train		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)			No						
Remarks			Not required.						
Other Sign Types			Thompson Creek						

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w.				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)		13.700							
Approach Bump			8	8					
Guardrail (Y/N)		Yes							
Guardrail			8	8					
Length (m)		76.000							
Current Standard (Y/N)		Yes							
Termination Type		Turn down							
Drainage			7	7					
Approach Road General Rating			8	8					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : SCC, 1 Spans, Lengths(m): 12, 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	0.0	0.0	0.0	0.0
Wearing Surface			8	8
(Material Type : CONCRETE)				
(Thickness(mm) : 120)				
Lateral Connection Problem (Y/N)	No			
Deck Top			N	N
Deck Rideability			8	8
Deck Joints			X	X
No joints.				
Bump (Y/N)				
Deck Drainage			8	8
No drains.				
Drains Clogged (Y/N)				
Curbs/Median			8	N
Snow covered.				
(Curb Type : Standard)				
Scaling (Percent Area)			0	
Bridge Rail			9	9
(Type : GALVANIZED STEEL BRIDGE TUBE)				
Bridge Rail Posts			9	9
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating			9	9
(Type : GALVANIZED)				
Sidewalk			X	X
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
Last				
Now	0	0	0	0
Girders			9	9
Last Complete Inspection Date			08-Feb-2012	
Cracking (Y/N)			No	
Spalling (Percent Area)				
Lift or Connector Pocket Grouted (Y/N)			Yes	
(Number Of Girders : 12)				
Span Alignment Problems				
Vertical (Y/N)			No	
Horizontal (Y/N)			No	
Superstructure General Rating			9	9

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1600)					
(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				9	9
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 310)					
Backwalls/Breastwalls				9	9
Greatest Height (m)		2.10			
Wingwalls				9	9
(Total Number of Bearing Piles : 12:12)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Piles				9	9
Paint/Coating				9	9
Abutment Stability				9	9
Scour/Erosion				9	9
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				X	X
(Type :)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing				X	X
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					
Pier Stability				N	X

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Provincial rec site to S has multiple culvert installation for access road, ~60m d/s.
(D/S Direction : S)				
Alignment		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		9	9	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		9	9	

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) (%)	100.0/100.0	Sufficiency Rating (Last/Now) (%)	85.3/85.3	Est. Repl. Yr	2055	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	08-Nov-2013		Previous Inspection Date	06-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							