

Bridge Inspection											
Bridge File Number	77592 -2 Bridge				Form Type	PCS					
Year Built/Year Supstr	2003/2003				Lot No.	4					
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava					
Located Over	CRIPPLE CREEK, 6.161.2.3, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	734:16 C1 51.463				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	02-Dec-2010					
Legal Land Location	SW SEC 29 TWP 37 RGE 14 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-115:58:16, 52:12:21				Data Entry Date	03-Jan-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA18				Review Date	16-Dec-2010					
Clear Roadway/Skew	8.9 / 15 deg. (RHF)				Dept. Reviewer Name	Chris Black					
AADT/Year	60 / 2009 (A)				Dept. Review Date	05-Jan-2011					
Road Classification	RLU-208G-90				Follow-Up By						
Detour Length (km)	150										
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	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	Curve								

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

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve in both directions. Crest curve 30m North, limited sight distance. NE corner washed out - photo. SW corner settled - photo. Washed out SE corner.				
Vertical Alignment			6	6					
Roadway Width (m)	7.000				NW & SE - 30.1m; NE & SW - 22.5m.				
Approach Bump			N	6					
Guardrail (Y/N)	Yes								
Guardrail			5	7					
Length (m)	22.500								
Current Standard (Y/N)	Yes								
Termination Type	Turndown								
Drainage			7	7					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 3 Spans, Lengths(m): 8-8-8, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last	100	0	0	0		
Now	100.0	0.0	0.0	0.0		
Wearing Surface			N	N		
(Material Type :)						
(Thickness(mm) :)						
Lateral Connection Problem (Y/N)						
Deck Top			N	N	Snow covered.	
Deck Rideability			6	6		
Deck Joints			N	N	Snow covered.	
Bump (Y/N)		No				
Deck Drainage			X	X	No deck drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	snow covered	
(Curb Type : Standard)						
Scaling (Percent Area)						
Bridge Rail			7	7	Thrie beam. 155 x 155 HP	
(Type : GALVANIZED STEEL THRIE 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			8	8		
Last Complete Inspection Date		02-Dec-2010				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 24)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			7	8		

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)				310 x 94 HP	
(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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 310)					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		3.85			
Wingwalls			8	8	
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			7	7	
Paint/Coating			X	7	
Galvanized.					
Abutment Stability			8	8	
Scour/Erosion			8	8	
Piers/Bents					
(Type : PIER-COLUMN)					
Double wide 310 x 94 HP.					
(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			X	8	
(Type : STEEL)					
(Depth(mm) : 310)					
(Width(mm) : 620)					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			X	8	
Greatest Height (m)		3.85			
Bracing/Struts/Sheathing			X	8	
Nose Plate			X	8	
Paint/Coating			X	8	
Galvanized.					
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	8	
Scour		X	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		5	7	
(Type : RIP RAP; RIP RAP)				
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							
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) (%)	77.8/83.3	Sufficiency Rating (Last/Now) (%)	75.9/78.4	Est. Repl. Yr	2060	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	Rob Stehr		Previous Assistant's Name				
Next Inspection Date	02-Mar-2014		Previous Inspection Date	17-Dec-2006			
Inspection Cycle (Default) (months)	39						
Comment							