

Bridge Inspection									
Bridge File Number	77591 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1967/1967				Lot No.	2			
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 50.585				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Dec-2010			
Legal Land Location	NW SEC 20 TWP 37 RGE 14 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-115:58:38, 52:11:57				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	6.4 / 0 deg.				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 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 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	Not required. Posted 40t / 54t sign @ North jct (SB) not for this bridge.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Offline, not to standard.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	"S" bend immediately North. In sag curve, limited sight distance.				
Vertical Alignment			4	4					
Roadway Width (m)	7.000								
Approach Bump			7	7					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)	No								
Termination Type	NONE								
Drainage			7	7					
Approach Road General Rating			4	4					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, 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					
Now	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Covered with snow.
Deck Rideability			6	6	
Deck Joints			X	X	Protection angle.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	(Minor plow scrapes. 22Nov2005).
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			5	5	Single layer with short splice, improper lap. Insufficient splice bolts.
(Type : FLEX BEAM)					
Bridge Rail Posts			6	6	Superficial rusting, paint 30% peeling. Blue paint.
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			N	7	Unknown.
Last Complete Inspection Date		02-Dec-2010			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)				Plus extended backwall.		
(Extended Backwall Piles Spacing(mm) : 700)						
(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 : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		4.20				
Wingwalls				7	7	
(Total Number of Bearing Piles : 5:5)				Wood piles set in concrete footing.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				7	6	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	
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				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Channel is skewed to bridge opening.
(D/S Direction : W)				
Alignment		4	4	
Bank Stability		4	6	Banks are solid rock 90 degree bends. Almost vertical banks @ NE & SW.
HWM (m below Top of Curb)				HWM is 0.3m below girder legs.
Drift (Y/N)	No			
Slope Protection		7	7	
(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		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Replace / upgrade to double layer to meet standard, galvanized posts.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011	Remove gravel from deck top, if not done.					
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	2011	Reset hazard markers to meet standard. (H)					
OTHER ACTION	2011	Install approach rail.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/72.2	Sufficiency Rating (Last/Now) (%)	63.4/61.5	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2003.07.30 Core Caps in 2010 and replace caps in 2013. Replce Bridge in 2020.						
On 3-Year Program (Y/N)	Y						
Proposed Action	2003.07.30 Core caps in 2010.						
Previous Inspector's Name	Dave Lam		Previous Assistant's Name				
Next Inspection Date	02-Mar-2014		Previous Inspection Date	22-Nov-2005			
Inspection Cycle (Default) (months)	39						
Comment							