

Bridge Inspection									
Bridge File Number	77595 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1971/2004				Lot No.	2			
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava			
Located Over	NORTH RAM RIVER, 6.161.2, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	734:16 C1 63.170				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	02-Dec-2010			
Legal Land Location	NE SEC 24 TWP 38 RGE 15 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-116:00:05, 52:16:58				Data Entry Date	16-Feb-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 / -15 deg. (LHF)				Dept. Reviewer Name	Chris Black			
AADT/Year	60 / 2009 (A)				Dept. Review Date	23-Feb-2011			
Road Classification	RLU-208G-90				Follow-Up By				
Detour Length (km)	190								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:							----> 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)	Yes	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Currently posted for 40t, 54t @ SB jct, not for this bridge. Signs not required for this bridge.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types	Camping, North Ram River & #940.								

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	Approaches both sides to the North.					
Vertical Alignment		7	7						
Roadway Width (m)	7.000			With thrie beam transition. NW & SE corners missing one strong post - photos.					
Approach Bump		7	7						
Guardrail (Y/N)	Yes								
Guardrail		9	7						
Length (m)	17.300								
Current Standard (Y/N)	No								
Termination Type	Turned down								
Drainage		7	7						
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SC, 4 Spans, Lengths(m): 12.8-12.8-12.8-12.8, A-Ident Number: )</b>						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
<b>Last</b>						
<b>Now</b>	100.0	0.0	0.0	0.0		
Wearing Surface				X	X	
(Material Type : )						
(Thickness(mm) : )						
Lateral Connection Problem (Y/N)						
Deck Top			4	N	(Some lift pockets on both sides under rail not grouted - photo. 22Nov2005). Snow covered.	
Deck Rideability			8	8		
Deck Joints			9	N	Buffer angles.	
Bump (Y/N)		No				
Deck Drainage			8	8	No deck drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			X	X	9	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)						
Bridge Rail			9	4	Gap between post base & grout pad yet to be grouted (WP15). (Insufficient thread in West rail post A/B over center pier - photo. 22Nov2005).	
(Type : <b>GALVANIZED STEEL THRIE BEAM</b> )						
Bridge Rail Posts			4	9		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			9	9		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Girders			9	9	New superstructure.	
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 : <b>24</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>8</b>	<b>9</b>		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 900)						
(Total Number of Caps/Corbels : 9:9)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	1	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		2.00				
Wingwalls				4	6	
(Total Number of Bearing Piles : 12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	24					
<b>Now</b>	24	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 11:11:11)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 12:12:12)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	72	0	0	0		
Pier Shaft/Piles				N	N	
Greatest Height (m)		2.75				
Bracing/Struts/Sheathing				9	9	
Nose Plate				9	9	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	7	
Debris (Y/N)	Yes			
<b>Substructure General Rating</b>		<b>9</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				Substructure at 15 degrees - stream at 30 degrees.
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)				(High water has come over top of bridge recently. 22Nov2005).
Drift (Y/N)	Yes			
Slope Protection		7	7	Natural shale.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Grout under post base plate.					
SEAL CURBS	2011	Grout lift pockets on both sides, if not yet done.					
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	2011	Install one strong post @ NW & SE corners.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>94.4/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>82.5/71.0</b>	Est. Repl. Yr	2035	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	02-Mar-2014		Previous Inspection Date	22-Nov-2005			
Inspection Cycle (Default) (months)	39						
Comment							