

Bridge Inspection										
Bridge File Number	78268 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1990/1990				Lot No.	3				
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava				
Located Over	TRIBUTARY TO SHUNDA CK, 6.166.8, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	734:20 C1 3.855				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	03-Dec-2010				
Legal Land Location	SE SEC 6 TWP 41 RGE 15 W5M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-116:08:31, 52:29:60				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	7.6 / 0 deg.				Dept. Reviewer Name	Chris Black				
AADT/Year	180 / 2009 (A)				Dept. Review Date	05-Jan-2011				
Road Classification	RCU-208G-90				Follow-Up By					
Detour Length (km)	220									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS23								----> 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	61t posted on Hwy 734 @ Hwy 11 jct (NB) - not for this bridge.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	At varying heights.								
Other Sign Types	Narrow Bridge, Curve 45 km/hr, missing Creek ID signs.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	3 wires 50m South of bridge.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		3	3	Sharp curve immediately South of bridge, signed with 45km/hr. Hill to North.					
Vertical Alignment		6	6						
Roadway Width (m)	7.400			(Old wingwall at SE corner starts inside guardrail leaving hole - photo.					
Approach Bump			4	5	Rough due to washboarding - typ both ends. 25Nov2005).				
Guardrail (Y/N)	Yes			(Approach rail too short & no blocking.					
Guardrail			4	N	Not enough posts at bridge. Dirty. 25Nov2005). SE turnout end too high - photo.				
Length (m)	7.200			Snow covered.					
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			5	5					
<b>Approach Road General Rating</b>		<b>3</b>	<b>3</b>						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SM, 1 Spans, Lengths(m): 6, 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)		No				
Deck Top			5	N	(Partially gravel covered - abraided by gravel where visible - photo. 25Nov2005). Snow covered.	
Deck Rideability			7	7		
Deck Joints			N	N	Buffer angles - snow covered.	
Bump (Y/N)		No				
Deck Drainage			6	6	No deck drains. Still has adequate drainage - drains to South.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	N	Snow covered.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			4	5	Single layer.  Dirty.	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts			2	5		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			7	7		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Girders						
Last Complete Inspection Date			03-Dec-2010		New SM units 1990. Staining between units, worst between G1 / G2 with photo showing btwn G6/G7.	
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 7)						
<b>Span Alignment Problems</b>						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
<b>Superstructure General Rating</b>			<b>3</b>	<b>7</b>		

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )		Ext piles used to support cap, but only partially - photo. (New 1990)				
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )		Various thickness of plywood shim between cap / piles. Caps are short and bear on inside half of exterior piles, all corners.				
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				4	4	
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>305</b> )						
(Width(mm) : <b>305</b> )						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.80				
Wingwalls				4	6	
(Total Number of Bearing Piles : <b>7:7</b> )		A1 P3,4 checking or splitting at base.				
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Piles				4	4	
Paint/Coating				X	X	
Abutment Stability				6	6	
Scour/Erosion				5	5	
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	X	
Greatest Height (m)						
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	
Strut between East end piles. 1 strut only.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				45 degree immediately East & 90 degree bend immediately West.
(D/S Direction : <b>E</b> )				
Alignment		4	4	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	



Comment	
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