

Bridge Inspection									
Bridge File Number	77585 -1 Bridge				Form Type	SG			
Year Built/Year Supstr	1967/1967				Lot No.	2			
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava			
Located Over	ELK CREEK, 6.159.23, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	734:16 C1 22.884				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Dec-2010			
Legal Land Location	NW SEC 2 TWP 36 RGE 13 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-115:45:05, 52:04:04				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	6.8 / 0 deg.				Dept. Reviewer Name	Chris Black			
AADT/Year	60 / 2009 (A)				Dept. Review Date	05-Jan-2011			
Road Classification	RCU-208G-90				Follow-Up By				
Detour Length (km)	150								
Allowable Load (t):	Single	CS1 24	Semi	CS2 39 GIRDER	Train	CS3 56 GIRDER	---> On Critical Spans --->Critical Member		
Design Loading:	HS20						---> Primary Span		
Posting Information									
Required Load Posting (t)	Single	24	Semi	40	Truck Train	57			
Posted Loading (t)	Single	24.0	Semi	40.0	Truck Train	57.0			
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	Yes	At Bridge (Y/N)	Yes	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	Yes	At Bridge (Y/N)	Yes	
Remarks	Loading signs approx 80m away from bridge both directions. Not required @ jct.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Offline & too low; do not meet 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			5	5	Curve to North. Road ramps up onto bridge; crest curve to South. Limited sight distance.				
Vertical Alignment			5	5					
Roadway Width (m)	7.000								
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)	No								
Termination Type	NONE								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RG, 1 Spans, Lengths(m): 9.1, A-Ident Number: A0784-08)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.	
Last				5		
Now	100.0	0.0	0.0	0.0		
Wearing Surface				3	N	(75 x 300 mm untreated areas of rot - photo. 90% covered by gravel. 23Nov2005).
(Material Type : UNTREATED TIMBER)						
(Thickness(mm) : 75)						
Deck Top				N	N	Subdeck.
Deck Rideability				7	7	
Deck Joints				X	X	
Temperature (deg. C)		-8				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage				X	X	No deck drains.
Drains Clogged (Y/N)						
Curbs/Median				3	N	(Wheelguards 100 x 300 mm. Blocking split (2) NW. Sagged due to rot - photo. 23Nov2005). Snow covered.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				6	6	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)						6" x 8" on the flat untreated timber.
Bridge Rail Posts				4	5	Galvanized / paint rail, paint 40% peeling.
(Type : UNTREATED TIMBER;UNTREATED TIMBER)						
Bridge Rail/Posts Coating				4	4	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				X	X	
Flange				7	7	
Web				7	7	
Stiffeners				7	7	
Splice				X	X	
Weld				X	X	
Diaphragms/Cross Frame				6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : RG, 1 Spans, Lengths(m): 9.1, A-Ident Number: A0784-08)					
Paint Condition		4	4	Corrosion @ connections spreading plates - photo. Red.	
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		4	6		
Temperature (deg. C)	-8				
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		5	5		
Stains (Percent Area)	0				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		4	5		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
Bearing Seats/Caps		3	8		
(Type : TREATED TIMBER)					
Backwalls/Breastwalls		4	5		
Wingwalls		4	5		
Piles		4	5		
Paint/Coating		X	X		
Abutment Stability		4	5		
Scour/Erosion		4	5		
Piers/Bents					
(Type :)					
Bearing Seats/Caps		X	X		
(Type :)					
(Total Number of Bearing Piles :)					
Pier Shaft/Piles		X	X	5 treated logs used as struts to backwall piles.	
Bracing/Struts/Sheathing		7	7		
Nose Plate		X	X		
Paint/Coating		X	X		
(Colour Description :)					
(Colour Code :)					
Pier Stability		X	X		
Scour		X	X		
Debris (Y/N)	No				
Substructure General Rating		3	5		

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				90 degree turn 30m U/S.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		4	4	Vertical banks u/s & d/s.
HWM (m below Top of Curb)				(1.3m below bottom of girder. 23Nov2005).
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	Gravel deposit @ NE channel forcing flow to impact & erode SE bank - photo.
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	4	

Proposed Action		
Previous Inspector's Name	Dave Lam	Previous Assistant's Name
Next Inspection Date	01-Mar-2014	Previous Inspection Date
Inspection Cycle (Default) (months)	39	23-Nov-2005
Comment		

Maintenance Reviewed By	Andrew Smikles	Date	23-Feb-2012	Estimated Total	0
Proposed Long-Term Strategy	2004.05.30 Bridge not good for log haul (24-40-57 Tonnes). Bridge should be ok until 2017.				
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Dave Lam	Previous Assistant's Name			
Next Inspection Date	01-Mar-2014	Previous Inspection Date	23-Nov-2005		
Inspection Cycle (Default) (months)	39				
Comment					