

Bridge Inspection											
Bridge File Number	77460 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	2001/2001				Lot No.	4					
Bridge or Town Name	NORDEGG				Inspector Name	Owen Salava					
Located Over	SHUNDA CREEK, 6.166, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	11:06 C1 4.024				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	06-Feb-2012					
Legal Land Location	SE SEC 6 TWP 41 RGE 14 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-116:00:11, 52:29:52				Data Entry Date	06-Mar-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	CMA18				Review Date	23-Feb-2012					
Clear Roadway/Skew	13.6 / -30 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	970 / 2010 (A)				Dept. Review Date	09-Mar-2012					
Road Classification	RAU-213.4-120				Follow-Up By						
Detour Length (km)	80										
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	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No		
Remarks	Not required.									
Hazard Marker At Bridge (Y/N)	No									
Remarks	Not required.									
Other Sign Types	Shunda Creek									

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	South r/w.				Gas					
Power					Municipal					
Others	Telus conduit attached to top of South curb.				Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	On superelevation and hills both directions, limited sight distance. No passing both directions.				
Vertical Alignment			6	6					
Roadway Width (m)	13.600		Typical ACP cracking @ end of approach - both ends.						
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			8	8	54.9m @ NE corner, 43.5m @ SW corner, 28.3m @ SE & NW corners. With thrie beam transition, all corners. Insufficient length @ SE & NW corners.				
Length (m)			28.300						
Current Standard (Y/N)			No						
Termination Type			Turn Down						
Drainage			8	8					
Approach Road General Rating			6	6					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SCC, 3 Spans, Lengths(m): 10-13-10, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Gravel along curbs.	
Last						
Now	10.0	0.0	0.0	0.0		
Wearing Surface				6	6	High density concrete, some map cracking in deck. Salt stained.
(Material Type : CONCRETE)						
(Thickness(mm) : 125)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				X	X	
Bump (Y/N)		No				
Deck Drainage				7	7	South gutter only, due to superelevation.
Drains Clogged (Y/N)		No				
Curbs/Median				7	7	Exterior have vertical cracks.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				8	8	Some grout pads have shrinkage cracks & others are spalled.
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts				5	5	
(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						
Now	0	0	0	0		
Girders				8	8	
Last Complete Inspection Date		06-Feb-2012				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		No				
(Number Of Girders : 36)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				8	8	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(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				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls				8	8	
Greatest Height (m)		0.60				
Wingwalls				8	8	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				6	6	
Local areas peeling on exterior girders.						
Abutment Stability				8	8	
Scour/Erosion				8	8	
Piers/Bents						
(Type : PIER-COLUMN)						
(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				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		2.30				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	8	
Gray.						
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	Vertical cut bank @ SE corner approx 60m South of bridge.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	75.0/75.0	Est. Repl. Yr	2048	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	06-Nov-2013		Previous Inspection Date	04-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							