

Bridge Inspection											
Bridge File Number	77584 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1965/1965				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 18.697				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	01-Dec-2010					
Legal Land Location	SW SEC 18 TWP 36 RGE 12 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-115:42:13, 52:05:17				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	RCU-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.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Offline & too high, not to standard.								
Other Sign Types	ID signs missing.								

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	Both approaches rise to meet bridge.				
Vertical Alignment			6	6					
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					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 8.5, 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 (%)	
<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			N	N	Covered with snow.
Deck Rideability			6	6	
Deck Joints			N	N	Buffer angle, covered by snow.
Bump (Y/N)		No			
Deck Drainage			6	6	
Drains Clogged (Y/N)		Yes			
Curbs/Median			6	N	Minor plow damage. 23Nov2005). Snow covered.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		10			
Bridge Rail			4	4	Single layer with short splice & improper lap - photo. No terminal ends - photo - is a hazard in present condition.  30% peeling.
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			4	4	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	8	0	0	0	
Girders			N	N	Unsafe ice, not accessible - viewed from corners.  Not visible.
Last Complete Inspection Date		05-Jul-2005			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>8</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	GR carried forward from 05Jul2005.

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(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)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		2.50				
Wingwalls				6	6	Extension of backwall, only NW corner has one. Wing piles, no piles at the other 3 corners.
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	10	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	7	
<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				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				90 degree turn 30m D/S.
(D/S Direction : <b>S</b> )				
Alignment		5	5	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible, no signs of erosion from high water.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NONE; NONE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Upgrade to double layer to meet standard, galvanized posts.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2011	Remove gravel from deck, 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	Install standard ends on flexbeam rail if no guardrail installed.					
OTHER ACTION	2011	Install approach rail.					
OTHER ACTION	2011	Reset HM to std.					
OTHER ACTION	2011	Install missing creek ID signs.					
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.3/64.3</b>	Est. Repl. Yr	2020	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	01-Mar-2014		Previous Inspection Date	23-Nov-2005			
Inspection Cycle (Default) (months)	39						
Comment							