

Bridge Inspection											
Bridge File Number	82262 NE-3 Bridge				Form Type	PCS					
Year Built/Year Supstr	2002/2002				Lot No.	2					
Bridge or Town Name	GRANDE PRAIR				Inspector Name	Brian Pientsch					
Located Over	MNR				Inspector Class	BR CLS A					
Located On	RAMP 4033-3 F				Assistant Name	Russel Vanderschaaf					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	17-Jan-2013					
Legal Land Location	NW SEC 12 TWP 72 RGE 6 W6M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-118:47:32, 55:13:39				Data Entry Date	02-Feb-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA05				Review Date	23-Jan-2013					
Clear Roadway/Skew	11.2 / -46 deg. (LHF)				Dept. Reviewer Name	David Morrison					
AADT/Year	500 / 2013 (E)				Dept. Review Date	21-Mar-2013					
Road Classification	RAD-412.4-120				Follow-Up By						
Detour Length (km)	1										
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 Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not required.										
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												
Hazard Marker At Bridge (Y/N)		Yes										
Remarks												
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			7	7	Snow covered.				
Vertical Alignment			7	7					
Roadway Width (m)		11.200							
Approach Bump			8	8					
Guardrail (Y/N)		Yes			40% snow covered. (Missing 6 splice bolts NW - April 13, 2006).				
Guardrail		N	4						
Length (m)		41.800			Insufficient length.-Sw corner.				
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN ENDS.			SE corner damaged.				
Drainage			8	7					

Approach Road					
		Last	Now	Explanation of Condition	
Approach Road General Rating		7	7		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 1 Spans, Lengths(m): 15.7, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	30	0	0	0	
Now	30.0	0.0	0.0	0.0	
Wearing Surface		7	7		
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N		
Deck Rideability		8	8		
Deck Joints		N	N		
Bump (Y/N)	No				
Deck Drainage		8	8	No Drains.	
Drains Clogged (Y/N)					
Curbs/Median		N	N	Snow covered. Narrow vertical cracking on exterior curb face & narrow horizontal crack entire length.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		8	8	Thrie Beam 50% snow covered.	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		4	4	Spall on G1 Se corner, rebar exposed due to horizontal alignment-photo approx 0.5mLx0.3mW	
Last Complete Inspection Date	17-Jan-2013				
Cracking (Y/N)	No				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			Spall on G1 SE corner, rebar exposed.-photo
Horizontal (Y/N)		Yes			

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SCC, 1 Spans, Lengths(m): 15.7, A-Ident Number:)						
Superstructure General Rating		4	4			
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 : :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			8	8		
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls		6	6	Spall on backwall, West and next to G1. Vertical and horizontal cracking on crash wall.		
Greatest Height (m)		8.10				
Wingwalls		7	6	Horizontal and vertical cracking at all 4 corners of backwall and wingwalls near curb girders.		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles		N	N			
Paint/Coating		X	X			
Abutment Stability		7	7			
Scour/Erosion		X	X			

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Piers/Bents						
(Type :)						
(Total Number of Caps/Corbels :)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
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)		
Last						
Now						
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 :)						
Pier Stability			X	X		
Scour			X	X		
Debris (Y/N)		No				
Substructure General Rating			7	7		
Structure Usage						
		Last	Now	Explanation of Condition		
Grade Separation						
Road Alignment			7	7		
Traffic Safety Features			8	8		
Type		HANDRAIL ON				
Slope Protection			8	8		
(Type : NATURAL; NATURAL)						
Bank Stability			8	8		
Drainage			8	8		
Grade Separation General Rating			7	7		

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install 6 splice bolts - carried forward from 13-Apr-2006.					
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	2013	Check horizontal alignment and repair spall on S1G1.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	65.4/65.4	Est. Repl. Yr	2064	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor spall on backwall East and next to G1. carried over 12-May-2009 Monitor spall on G1 NE corner.		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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	17-Oct-2014		Previous Inspection Date	04-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							