

Bridge Inspection											
Bridge File Number	82262 W-2 Bridge					Form Type	PCS				
Year Built/Year Supstr	2002/2002					Lot No.	4				
Bridge or Town Name	GRANDE PRAIR					Inspector Name	Brian Pientsch				
Located Over	MNR					Inspector Class	BR CLS A				
Located On	43:04 L1 0.214					Assistant Name	Russel Vanderschaaf				
Water Body Cl./Year						Assistant Class	BR CLS B				
Navigabil. Cl./Year						Inspection Date	29-Nov-2012				
Legal Land Location	SW SEC 13 TWP 72 RGE 6 W6M					Data Entry By	Theresa Lacusta				
Longitude, Latitude	-118:47:30, 55:13:45					Data Entry Date	17-Dec-2012				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA05					Review Date	17-Dec-2012				
Clear Roadway/Skew	12.4 / -5 deg. (LHF)					Dept. Reviewer Name	Steve Pasquan				
AADT/Year	5,880 / 2011 (A)					Dept. Review Date	03-Jan-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)					No							
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		63.5			
Posted:	Lane	EB	At Junction (Y/N)			In Advance (Y/N)			At Bridge (Y/N)			
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	Buried power					Municipal					
Others						Problem (Y/N)	No				
Remarks											

Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			8	8							
Vertical Alignment			8	8							
Roadway Width (m)	12.500				Steel approach rail posts have small dents SE corner. SW and NE insufficient length.  Snow covered.						
Approach Bump			8	8							
Guardrail (Y/N)	Yes										
Guardrail			7	N							
Length (m)	7.600										
Current Standard (Y/N)	No										
Termination Type	TURNED DOWN ENDS										
Drainage			8	N							

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		8	8	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : SCC, 1 Spans, Lengths(m): 11, A-Ident Number: )				
Special Features				
Special Feature			X	
(Type : )				
Special Feature			X	
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>	50	0	0	0
<b>Now</b>	60.0			
Partly snow covered.				
Wearing Surface		5	5	Narrow map cracking in south lane. (30mm x 30mm piece missing)05-May-2009
(Material Type : <b>ACP</b> )				
(Thickness(mm) : <b>90</b> )				
Lateral Connection Problem (Y/N)	No			
Deck Top		N	N	
Deck Rideability		8	8	
Deck Joints		X	X	
Bump (Y/N)		No		
Deck Drainage		8	8	No drains.
Drains Clogged (Y/N)		No		
Curbs/Median		N	N	Narrow transverse cracks at regular spacing on tops of curbs.-05-May-2009
(Curb Type : <b>Standard</b> )				
Scaling (Percent Area)		0		Snow covered.
Bridge Rail		8	8	Double Thrie beam
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )				
Bridge Rail Posts		8	8	
(Type : <b>GALVANIZED POST STEEL</b> )				
Bridge Rail/Posts Coating		8	8	
(Type : <b>GALVANIZED</b> )				
Sidewalk		X	X	
Girder Detail Ratings				
	N (count)	1 (count)	2 (count)	3 (count)
<b>Last</b>				
<b>Now</b>				
Girders		8	8	
Last Complete Inspection Date		29-Nov-2012		
Cracking (Y/N)		No		
Spalling (Percent Area)		0		
Lift or Connector Pocket Grouted (Y/N)		Yes		
(Number Of Girders : <b>11</b> )				
Span Alignment Problems				
Vertical (Y/N)		No		
Horizontal (Y/N)		No		

Superstructure						
Bridge Component		Last		Now		Explanation of Condition
(Primary Span : <b>SCC, 1 Spans, Lengths(m): 11, A-Ident Number: )</b>						
Superstructure General Rating		8		8		
Substructure						
Bridge Component		Last		Now		Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels		8		8		
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>800</b> )						
(Width(mm) : <b>600</b> )						
Backwalls/Breastwalls		7		7		Vertical end diagonal cracking in walls.
Greatest Height (m)		8.27				
Wingwalls		8		8		
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	100	0	0	0		
<b>Now</b>	100					
Piles		N		N		
Paint/Coating		X		5		Pigmented sealer peeling.
Abutment Stability		8		8		
Scour/Erosion		8		8		
<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		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		7	7	Minor rusting at welded connections on handrail near road.
Type	HANDRAIL			
Slope Protection		8	8	
(Type : NATURAL; NATURAL)				
Bank Stability		8	8	
Drainage		8	8	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>78.1/77.8</b>	Est. Repl. Yr	2072	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	29-Aug-2014		Previous Inspection Date	04-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							