

Bridge Inspection											
Bridge File Number	82262 WN-4 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 D				Assistant Name	Russel Vanderschaaf					
Water Body Cl./Year					Assistant Class	BR CLS B					
Navigabil. Cl./Year					Inspection Date	17-Jan-2013					
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	02-Feb-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA05				Review Date	23-Jan-2013					
Clear Roadway/Skew	8.7 / 7 deg. (RHF)				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)										No		
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks												
Required Load Posting (t)		Single			Semi			Truck Train				
Posted Loading (t)		Single			Semi			Truck Train		63.5		
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		Bump sign West of bridge (knocked over.)										

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		7		7					
Vertical Alignment		7		7					
Roadway Width (m)		8.700				Insufficient length SE corner.			
Approach Bump		8		8					
Guardrail (Y/N)		Yes							
Guardrail		8		8					
Length (m)		41.800							
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN ENDS							

Approach Road					
			Last	Now	Explanation of Condition
Drainage			8	8	
Approach Road General Rating			7	7	
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 (%)	Partly snowcovered.
Last	40	0	0	0	
Now	40.0	0.0	0.0	1.0	
Wearing Surface			4	3	Random narrow long. cracking throughout. 0.3 x 0.15m pothole x 0.08m deep West end.-photo (90mm by 40mm deep spall East end.-photo-11-Jan-2011)
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
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 both curbs.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Top of south rail missing two splice bolts with rail torn where one is missing. 50% snowcovered.
(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			8	8	
Last Complete Inspection Date		17-Jan-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 10)					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SCC, 1 Spans, Lengths(m): 11, A-Ident Number:)						
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						
Bearing Seats/Caps/Corbels		8	8			
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls		8	6	Narrow horizontal cracking at all 4 corners of backwall/wingwall - near curb girders.		
Greatest Height (m)		7.95				
Wingwalls		8	6	Horizontal & vertical cracking on crash walls - also graffiti, present.		
(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					
Piles		N	N			
Paint/Coating		X	X			
Abutment Stability		8	8			
Scour/Erosion		8	8			
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)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		7	7	Minor rust at some welded connections on handrail near road.
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	Replace 2 splice bolts.					
SEAL CURBS							
PATCH DECK	2013	Patch & seal 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) (%)	70.5/70.5	Est. Repl. Yr	2064	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	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							