

Bridge Inspection									
Bridge File Number	13769 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1953/1995				Lot No.	2			
Bridge or Town Name	GRANDE PRAIR				Inspector Name	Russel Vanderschaaf			
Located Over	TRIBUTARY TO BEAR RIVER, 8.10.58.18.2.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	670:02 C1 11.694				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-May-2010			
Legal Land Location	SW SEC 4 TWP 72 RGE 4 W6M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-118:33:36, 55:11:59				Data Entry Date	21-Jun-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA05				Review Date	07-Jun-2010			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	2,690 / 2009 (A)				Dept. Review Date	10-Sep-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	6								

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									

Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	S. Side				Gas	S.SIDE, Crosses Hwy 30m East			
Power	NORTH SIDE 2 WIRE				Municipal				
Others	Fibre optic line - N. r/w				Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			5	5	DRIVEWAY 20M E. OF BRIDGE				
Vertical Alignment			8	8					
Roadway Width (m)			10.100						
Approach Bump			7	7					
Guardrail (Y/N)			Yes		Collision damage SW and missing bolt.-photo				
Guardrail			N	4					
Length (m)			11.200						
Current Standard (Y/N)			No						
Termination Type			T.D.E.						
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SC, 1 Spans, Lengths(m): 6.1, 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>					
Wearing Surface			6	6	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Asphalt covered.
Deck Rideability			7	7	
Deck Joints			6	6	
Bump (Y/N)		No			
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			N	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(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		03-May-2010			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>8</b>	<b>8</b>	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
Vertical crack on NW corner of cap. On bottom.-photo						
(Total Number of Caps/Corbels : <b>3:3</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>					S. abut only 150mm of top cap bearing on subcap on West end.-photo	
<b>Now</b>					N abut only 230mm of top cap bearing sub cap at East end.-photo	
Bearing Seats/Caps/Corbels				4	4	
(Type : <b>TREATED TIMBER</b> )						
(Depth(mm) : <b>300</b> )						
(Width(mm) : <b>360</b> )						
Backwalls/Breastwalls				4	4	Backwall sheeting behind subcaps retrofitted and causing infiltration.
Greatest Height (m)		2.50				
Wingwalls				N	4	90deg turn 5m North of bridge causing vertical banks on NE corner encroaching on winwall-photo
(Total Number of Bearing Piles : <b>10:10</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				5	5	
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)	10 struta	
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X	9	
Greatest Height (m)						
Bracing/Struts/Sheathing				9	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)	Yes			OLD PILES
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		5	5	
Bank Stability		4	4	90 degree turn 5m north of bridge causing vertical banks on NE corner encroaching on wingwall.-photo
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</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	2010	Repair SW guardrail					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>63.7/63.3</b>	Est. Repl. Yr	2038	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor movement of subcaps on NE on SW corner and bank stability on NE corner wingwall.		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	Tim Miskiman			
Next Inspection Date	03-Aug-2013		Previous Inspection Date	26-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							