

Bridge Inspection										
Bridge File Number	07419 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1962/1962				Lot No.	2				
Bridge or Town Name	WEMBLEY				Inspector Name	Russel Vanderschaaf				
Located Over	BEAR RIVER, 8.10.58.18.2, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	672:04 C1 16.601				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	11-May-2010				
Legal Land Location	SW SEC 14 TWP 73 RGE 8 W6M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-119:07:24, 55:18:58				Data Entry Date	11-Jun-2010				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	CMA05				Review Date	07-Jun-2010				
Clear Roadway/Skew	8.2 /				Dept. Reviewer Name	Steve Pasquan				
AADT/Year					Dept. Review Date	19-Aug-2010				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	6									
Allowable Load (t):	Single		Semi		Train		----> 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	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	NW HM Missing, SW HM post cracked and leaning.									
Other Sign Types										

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	SOUTH R-W				Gas	NORTH R-W				
Power	NORTH R-W-3 wire.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	No passing east bound. Bottom of sag.				
Vertical Alignment			6	6					
Roadway Width (m)	9.500								
Approach Bump			7	7					
Guardrail (Y/N)			Yes						
Guardrail			N	7					
Length (m)			11.400						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
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>SC, 3 Spans, Lengths(m): 10.7-12.2-10.7, 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			N	7		
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			N	N		
Bump (Y/N)		No				
Deck Drainage			7	4	No Drains. NW corner 0.6Wx0.5Lx0.2D scour-photo	
Drains Clogged (Y/N)		No				
Curbs/Median			3	3	S1G1 has 4 spalls under bridge posts - photo.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			N	7	S1G1 has 4 spalls under bridge posts.-photo	
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )						
Bridge Rail Posts			N	3		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			N	7		
(Type : <b>GALVANIZED</b> )						
Sidewalk			X	X		
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Girders			5	5	S2G6 both ends have AHL. Diagonal Cr. <500mm S2G2 west end. S3G1 pigmented sealer 50% peeled.	
Last Complete Inspection Date		11-May-2010				
Cracking (Y/N)		Yes			View span 2 from headslopes due to water.	
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)						
(Number Of Girders : <b>27</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>		

Substructure						
Bridge Component				Last	Now	Explanation of Condition
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>Y</b> )						
(Extended Backwall Piles Spacing(mm) : <b>1900</b> )						
(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>STEEL</b> )						
(Depth(mm) : <b>360</b> )						
(Width(mm) : <b>380</b> )						
Backwalls/Breastwalls				8	8	
Greatest Height (m)		1.30				
Wingwalls				N	X	
(Total Number of Bearing Piles : <b>8:8</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Have galvanized steel capitals.
<b>Last</b>						
<b>Now</b>						
Piles				8	8	
Paint/Coating				8	8	
Abutment Stability				8	8	
Scour/Erosion				8	8	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1: )</b>						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Double wide
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>STEEL</b> )						
(Depth(mm) : <b>360</b> )						
(Width(mm) : <b>380</b> )						
(Total Number of Bearing Piles : <b>16:16</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Sheeted W
<b>Last</b>						
<b>Now</b>	1	0	0	0		
Pier Shaft/Piles				N	N	
Greatest Height (m)		6.20				
Bracing/Struts/Sheathing				8	8	
Nose Plate				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		8	8	
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		5	5	Verical banks U/S and D/S.
HWM (m below Top of Curb)				HWM NOT VISIBLE.
Drift (Y/N)	No			
Slope Protection		5	5	East headslope 1.5m lower then natural channel bank.
(Type : <b>NATURAL; NATURAL</b> )				
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>8</b>	<b>8</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2010	S1G1					
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	Fix scour and reroute drainage in NW corner.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>69.9/70.4</b>	Est. Repl. Yr	2043	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	Colin Roy		Previous Assistant's Name				
Next Inspection Date	11-Aug-2013		Previous Inspection Date	13-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							