

Bridge Inspection									
Bridge File Number	01732 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1985/1985				Lot No.	1			
Bridge or Town Name	FISHER HOME				Inspector Name	Todd Warshawski			
Located Over	TRIBUTARY TO PIGEON LAKE, 5.62.4.5, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	771:06 C1 14.657				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Mar-2012			
Legal Land Location	NE SEC 14 TWP 47 RGE 2 W5M				Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-114:10:40, 53:03:17				Data Entry Date	18-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA11				Review Date	09-Apr-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	690 / 2011 (A)				Dept. Review Date	04-May-2012			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Not in line with rail								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	East ditch.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	In middle of "S" curve.				
Vertical Alignment			8	8					
Roadway Width (m)	8.400								
Approach Bump			8	8					
Guardrail (Y/N)	Yes				Broken post at NW, minor strike damage at SW, still functional.				
Guardrail			8	4					
Length (m)	64.600								
Current Standard (Y/N)	Yes								
Termination Type	Turned Down								
Drainage			N	5	(Gulley NW ditch, completley eroded - photo. Not affecting structure.				
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 2 Spans, Lengths(m): 10-10, 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>	100				
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			N	7	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>100</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			N	6	No drains
Drains Clogged (Y/N)					
Curbs/Median			N	7	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	4	Improve lap/splice on west rail
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			N	7	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			N	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	1	
Girders			7	3	
Last Complete Inspection Date		16-Mar-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>18</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>3</b>	Typical diagonal cracks in several girders. 3 girders with medium diagonal cracks longer than 0.5m with stains. End spalls at SP2, G1 and G10 Wide cracks at connector pockets on SP1- G2, 5 & 7, SP2 G5, 7.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 2:2)				Shim cap under sidewalk girders		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls			4	4		
Greatest Height (m)		2.50				
Wingwalls			4	4		
Loss of material from underneath South backwall.						
Top plank dislodged @ SW corner. Loss of fill at NE						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Piles				5	6	
Paint/Coating			4	4		
Flaking rust along entire pile lengths.						
Abutment Stability			4	4		
Minor loss of material below backwall.						
Scour/Erosion			4	4		
<b>Piers/Bents</b>						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				6	6	
Greatest Height (m)		1.80				
Bracing/Struts/Sheathing			5	6		
Nose Plate			6	6		
Paint/Coating			4	4		
Flake rust along cap and piles.						
(Colour Description : )						
(Colour Code : )						
Pier Stability			7	7		
(Measured to water.) - Dec/08						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	
Debris (Y/N)	Yes			Old pile in streambed.
<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>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		N	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			Old bridge abutment & piles U/S 20m from existing bridge.
Slope Protection		7	7	
(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>7</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Relap west rail, replace broken timber post.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2012	Lower S backwall, NE wingwall					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Replace top plank of SW wingwall.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/38.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>72.2/59.9</b>	Est. Repl. Yr	2042	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracking.		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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	16-Jun-2015		Previous Inspection Date	23-Dec-2008			
Inspection Cycle (Default) (months)	39						
Comment							