

Bridge Inspection										
Bridge File Number	70939 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1975/1975				Lot No.	2				
Bridge or Town Name	HEINSBURG				Inspector Name	Jason Saly				
Located Over	TELEGRAPH CREEK, 6.11, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	640:02 C1 16.613				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	28-Nov-2012				
Legal Land Location	SW SEC 14 TWP 55 RGE 5 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-110:38:41, 53:44:39				Data Entry Date	15-Jan-2013				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA15				Review Date	14-Dec-2012				
Clear Roadway/Skew	8.8 / 0 deg.				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	460 / 2011 (A)				Dept. Review Date	17-Jan-2013				
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:	HS25						----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Too high.								
Other Sign Types	Narrow bridge.								

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	3 wires O/H 15m North of c/l.				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Intersection to West, field access to East. Hills East & West.				
Vertical Alignment			7	7					
Roadway Width (m)	9.000		Initial stages of a pothole forming in WB lane at W approach.						
Approach Bump			7	7					
Guardrail (Y/N)			Yes		Minor creasing.				
Guardrail			6	5					
Length (m)	30.400								
Current Standard (Y/N)			No		Shoulder falls off before railing. Non-standard post layout.				
Termination Type			Turn Down						
Drainage			8	N	Snow covered.				
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : VS, 1 Spans, Lengths(m): 6.1, A-Ident Number:)						
Special Features						
Special Feature			X	Cattle Walkway: Farm has built a timber cattle crossing along the S side of the bridge using end of abut timber caps as supports.		
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	10				Snow along curbs.	
Now	10.0	0.0	0.0	0.0		
Wearing Surface				5	5	Some degradation EBL. Longit. cracking reflecting through ACP along girder lines.
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	ACP covered.
Deck Rideability				7	7	
Deck Joints				N	N	ACP covered.
Bump (Y/N)		No				
Deck Drainage				7	N	No deck drains.
Drains Clogged (Y/N)						
Curbs/Median				5	N	(Minor spalls & scaling. 25Jan2010) - Snow covered.
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail				7	7	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts				7	N	3 steel posts per curb.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating				7	7	
(Type : GALVANIZED)						
Sidewalk				3	X	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders				5	5	Small areas of corrosion staining @ E end of 6 girders.
Last Complete Inspection Date		25-Jan-2010				
Cracking (Y/N)		Yes			Hairline crack @ corner of 1 girder (<0.5m long but raise it 2 points because there are no signs of distress. Hairline cracking along c/l of bottoms of girders. (But deteriorated - photo. 09/Sep/2006) Snow covered.	
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 8)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				5	5	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 5:5)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	(100mm rot in W subcap. 95/12/29) Slight cap rotation both abuts - crack visible. N end of E abut cap.
(Type : TREATED TIMBER)						
(Depth(mm) : 355)						
(Width(mm) : 305)						
Backwalls/Breastwalls				5	N	T & G vertical - not visible due to ice/water levels.
Greatest Height (m)		2.00				
Wingwalls				5	5	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	100	0	0	0		
Piles				5	N	3 shimmed. Pile from N of E abut has settled 15mm. A2P6 pushed outward, only 100mm of cap is bearing on the piles (but has a 4 x 12 scab). Radial & circular cracking at top of E abut pile.
Paint/Coating				X	X	
Abutment Stability				5	5	
Scour/Erosion				N	N	Ice/snow.
Piers/Bents						
(Type :)						
Max deck to S/B (0.9m to ice).						
(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)						
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)	Yes			(Old piles. 25Jan2010).
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Swampy area with low banks.
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		N	N	Snow covered.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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	2013	Repair access to cattlepass by adding fill.					
OTHER ACTION	2013	RegROUT lift pockets, if not done.					
OTHER ACTION	2013	Reset HMs to std.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	65.3/65.3	Est. Repl. Yr	2018	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Farmer has added a cattle crossing on S side of bridge.		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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	28-Feb-2016		Previous Inspection Date	25-Jan-2010			
Inspection Cycle (Default) (months)	39						
Comment							