

Bridge Inspection											
Bridge File Number	81204 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1988/1988				Lot No.	4					
Bridge or Town Name	CHAMPION				Inspector Name	Jason Rusu					
Located Over	BRP - TRAVERS RES, WATERCRS-IC				Inspector Class	BR CLS B					
Located On	529:04 C1 25.148				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	27-Feb-2010					
Legal Land Location	SW SEC 22 TWP 15 RGE 21 W4M				Data Entry By	Kelsey Roberts					
Longitude, Latitude	-112:49:13, 50:16:06				Data Entry Date	25-Mar-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA25				Review Date	12-Mar-2010					
Clear Roadway/Skew	9.9 / 40 deg. (RHF)				Dept. Reviewer Name	Lorenz Bohnert					
AADT/Year	240 / 2008 (A)				Dept. Review Date	26-Mar-2010					
Road Classification	RCU-210-110				Follow-Up By						
Detour Length (km)	22										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS230									----> 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 req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	NW-SW CORNER 50m WEST				Gas					
Power	350m SOUTH 2 LINE				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	5	road curves but can drive at speed approach N&S at west end of bridge also SE, NE corner slight dip s.w.-soft approach road				
Vertical Alignment			5	5					
Roadway Width (m)	13.200								
Approach Bump			6	5					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	7.600								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 5 Spans, Lengths(m): 11-11-11-11-11, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface		X	X		
(Material Type :)					
(Thickness (mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top		6	6	Pitted from Gravel	
Deck Rideability		7	5	Due to cambor in girders	
Deck Joints		7	6		
Bump (Y/N)		Yes			
Deck Drainage		8	8	drains on south side also drains between units	
Drains Clogged (Y/N)		No			
Curbs/Median		7	7	Repaired	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail		8	8		
(Type : BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type :)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders		8	5	Hairline along bottoms of most. Rating decreased in accordance with Sm girder exception list.	
Last Complete Inspection Date		27-Feb-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 45)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating		8	5		

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	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	7	
(Type : CONCRETE)					
(Depth (mm) : 700)					
(Width (mm) : 500)					
Backwalls/Breastwalls			X	X	
Greatest Height (m)		0.90			
Wingwalls			8	7	
(Total Number of Bearing Piles : 8:8)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	16	0	0	0	
Now	16	0	0	0	
Piles			N	N	
Paint/Coating			X	X	
Abutment Stability			9	9	
Scour/Erosion			9	9	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1:1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	7	
(Type : CONCRETE)					
(Depth (mm) : 700)					
(Width (mm) : 500)					
(Total Number of Bearing Piles : 6:6:6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles			8	7	
Greatest Height (m)		5.20			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	X	
Paint/Coating			8	7	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	3.3			
Drift (Y/N)	No			
Slope Protection		8	8	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
REPAIR/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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/66.7	Sufficiency Rating (Last/Now) (%)	71.9/62.6	Est. Repl. Yr	2048	Maint. Req. (Y/N)	No
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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	27-May-2013		Previous Inspection Date	26-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							