

Bridge Inspection									
Bridge File Number	01493 -2 Bridge				Form Type	SG			
Year Built/Year Supstr	2007/2007				Lot No.	2			
Bridge or Town Name	HOBBEMA				Inspector Name	Owen Salava			
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	611:04 C1 11.175				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Feb-2013			
Legal Land Location	SE SEC 29 TWP 44 RGE 23 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:17:44, 52:48:51				Data Entry Date	20-Feb-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA17				Review Date	13-Feb-2013			
Clear Roadway/Skew	8.2 / 30 deg. (RHF)				Dept. Reviewer Name	Chris Black			
AADT/Year	2,130 / 2011 (A)				Dept. Review Date	14-Mar-2013			
Road Classification	RCU-208-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> Primary Span		

Posting Information									
Required Load Posting (t)	Single			Semi			Truck Train		
Posted Loading (t)	Single			Semi			Truck Train		
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	EB	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; mounted off bridge.								
Other Sign Types	Creek ID @ SW & NE; 80km/h; Bump								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	2 wires O/H crosses 100m East.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Intersection 100m East.					
Vertical Alignment		7	7						
Roadway Width (m)	8.200			Wide transverse cracking at end of approach slab A1&2; worst @ A1 (photo). Bumps up onto both ends.					
Approach Bump		7	5						
Guardrail (Y/N)	Yes								
Guardrail		7	7						
Length (m)	55.000								
Current Standard (Y/N)	Yes								
Termination Type	Turn Down								
Drainage		7	7						
Approach Road General Rating		7	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 3 Spans, Lengths(m): 12-21.385-12, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	5				
Now	5.0	0.0	0.0	0.0	
Wearing Surface			7	7	Isolated wide transverse cracks at piers.
(Material Type : ACP)					
(Thickness(mm) : 90)					
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			X	X	
Temperature (deg. C)		-5			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			8	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	W200 steel posts.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	Neoprene drip stop 1.8m from abutment face, outer girders.
Flange			9	9	
Web			9	9	
Stiffeners			9	9	
Splice			9	9	
Weld			9	9	
Diaphragms/Cross Frame			9	9	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 3 Spans, Lengths(m): 12-21.385-12, A-Ident Number:)				
Paint Condition		9	8	Weathering steel; ends at abut are painted.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	Integral abuts, no visible bearings, pier bearings rated.
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	7	Crack with efflorescence at P1.
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		9	9	
Piles		N	N	
Paint/Coating		9	9	Graffiti
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		6	6	Surface corrosion - photo. Sealer peeling @ P1 - photo. Green.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		9	9	
Debris (Y/N)	Yes			Beaver dam under SP2.
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Seal ACP cracks.					
OTHER ACTION	2013	Reset hazard markers to standard.					
OTHER ACTION	2013	AT to provide design load rating.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/83.3	Sufficiency Rating (Last/Now) (%)	71.6/68.9	Est. Repl. Yr	2080	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection	AT to provide design loading.		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	07-May-2016		Previous Inspection Date	03-Mar-2010			
Inspection Cycle (Default) (months)	39						
Comment							