

Bridge Inspection									
Bridge File Number	70494 -2 Bridge				Form Type	PCS			
Year Built/Year Supstr	2005/2005				Lot No.	2			
Bridge or Town Name	HOBHEMA				Inspector Name	Owen Salava			
Located Over	MASKWA CREEK, 5.47.4.1, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	611:02 C1 50.928				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	07-Feb-2013			
Legal Land Location	SW SEC 5 TWP 45 RGE 25 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:36:25, 52:50:36				Data Entry Date	22-Feb-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA17				Review Date	13-Feb-2013			
Clear Roadway/Skew	11.6 /				Dept. Reviewer Name	Chris Black			
AADT/Year	1,220 / 2011 (A)				Dept. Review Date	14-Mar-2013			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	3								
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	Mounted on 1st guardrail post at all corners.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	10m South of c/i.				Gas				
Power	1 wire 12m North of c/l. 2 wire crosses 60m West.				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	2km East of Hwy 2 on S.R. 611. Intersection to SW & NE.				
Vertical Alignment			7	7					
Roadway Width (m)	12.500								
Approach Bump			7	7					
Guardrail (Y/N)			Yes		Thrie beam with tops of posts bent.				
Guardrail			7	7					
Length (m)			53.200						
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 : SC, 1 Spans, Lengths(m): 8, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	15				
Now	5.0	0.0	0.0	0.0	
Wearing Surface			7	7	Wide transverse cracks at girder ends, 3 wide longitudinal cracks.
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Asphalt covered.
Deck Rideability			8	8	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	Leakage btwn G9-10 onto A2 cap.
Drains Clogged (Y/N)		No			
Curbs/Median			7	6	North curbs pocked with what looks like small caliber bullet holes, some spalling top corner at N curb, S curb corner mostly spalled away.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	W150 posts.
(Type : GALVANIZED STEEL THRIE BEAM)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			9	9	Staining around flush deck drain openings. Long crack in ACP may indicate problem with connectors.
Last Complete Inspection Date		07-Feb-2013			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			9	9	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1820)						
(Total Number of Caps/Corbels : 1:1)				Neoprene strip bearing.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : STEEL)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls				9	9	
Greatest Height (m)		2.30				
Wingwalls				9	9	
(Total Number of Bearing Piles : 8:8)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				6	6	
Piles have buckled flanges as though hoe did this pulling them into line.						
Paint/Coating				9	9	
Galvanized.						
Abutment Stability				9	9	
Scour/Erosion				7	7	
Piers/Bents						
(Type :)						
(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	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		8	8	400mm dia.
(Type : RIP RAP; RIP RAP)				
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							
SEAL CURBS							
PATCH DECK	2013	Seal deck ACP cracks.					
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	AT to provide design loading.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	72.4/73.4	Est. Repl. Yr	2060	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	07-May-2016		Previous Inspection Date	03-Mar-2010			
Inspection Cycle (Default) (months)	39						
Comment							