

Bridge Inspection									
Bridge File Number	07146 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1985/1985				Lot No.	4			
Bridge or Town Name	ALHAMBRA				Inspector Name	Owen Salava			
Located Over	HORSEGUARD CREEK, 3.88.12.7, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	11:10 C1 27.818				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Feb-2012			
Legal Land Location	SE SEC 6 TWP 39 RGE 5 W5M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-114:42:24, 52:19:09				Data Entry Date	01-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA18				Review Date	22-Feb-2012			
Clear Roadway/Skew	13.3 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	4,290 / 2010 (A)				Dept. Review Date	09-Mar-2012			
Road Classification	RAU-211.8-110				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:	MS300						----> 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									
Hazard Marker At Bridge (Y/N)	No								
Remarks	Not required.								
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	3 wires North r/w.				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Field entrance 40m NE & SE, "T" intersection 80m NW.				
Vertical Alignment			8	8					
Roadway Width (m)	11.700				Both approaches settled 20-30mm. Bump flags at SW & NE approach rails.				
Approach Bump			7	6					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	34.200								
Current Standard (Y/N)	No				160mm too high. Not thrie beam.				
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SMC, 3 Spans, Lengths(m): 6-10-6, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow along curbs.	
Last						
Now	5.0	0.0	0.0	0.0		
Wearing Surface				7	7	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 100)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			7	7		
Bump (Y/N)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Shrinkage cracks at 400mm.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	8	Grout pads rust staining & delam at base of some posts, ok for now.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			4	4		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Girders			5	5		
Last Complete Inspection Date		01-Feb-2012		SM crack. Minor honeycomb over S end of W pier in CIP section. All exterior girders have hairline longit. cracks in fascia length of girder, typical. Many girders have hairline diagonal cracks, <0.5m, no staining.		
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 36)						
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) : 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					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : CONCRETE)					
(Depth(mm) : 800)					
(Width(mm) : 400)					
Backwalls/Breastwalls				X	X
Greatest Height (m)		0.60			
Wingwalls				7	7
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	100				
Now	100	0	0	0	
Piles				N	N
Paint/Coating				6	6
Abutment Stability				8	8
Scour/Erosion				8	8
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 1:1)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				9	8
(Type : CONCRETE)					
(Depth(mm) : 800)					
(Width(mm) : 500)					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles				8	8
Greatest Height (m)		1.50			
Bracing/Struts/Sheathing				X	X
Nose Plate				X	X
Paint/Coating				5	5
(Colour Description :)					
(Colour Code :)					
Pier Stability				8	8

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		9	9	
HWM (m below Top of Curb)				HWM not visible. Old piles in streambed.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
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							
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) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	66.9/66.9	Est. Repl. Yr	2043	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	01-Nov-2013		Previous Inspection Date	31-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							