

Bridge Inspection									
Bridge File Number	78755 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1978/1978				Lot No.	4			
Bridge or Town Name	HINES CREEK				Inspector Name	Russel Vanderschaaf			
Located Over	JACK CREEK, 8.10.80.8, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	64:04 C1 30.571				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Nov-2011			
Legal Land Location	NW SEC 5 TWP 84 RGE 4 W6M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-118:36:14, 56:15:37				Data Entry Date	22-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA04				Review Date	20-Nov-2011			
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Steve Pasquan			
AADT/Year	980 / 2010 (A)				Dept. Review Date	10-Jan-2012			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	2								
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	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks									
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	SE & SW posts broken-Hazard marker missing								
Other Sign Types	"Jack Creek", HWY64 - E&W SIDES								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)				
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Int 100 m north of bridge. Turning lanes on north end.				
Vertical Alignment			9	8					
Roadway Width (m)	10.000				INCORRECT BRIDGE TO GUARDRAIL				
Approach Bump			7	6					
Guardrail (Y/N)	Yes								
Guardrail			4	7					
Length (m)	22.800								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7	No evident problems.				
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VS, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	1.0				
Wearing Surface			5	N	Wide cracking at abut & piers Longitudinal cracking NB lane 5 small patches (ave. 400X400)-23-Feb-2010 Snow and ice covered.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over. ASPHALT CRACKING AT ALL JOINTS
Bump (Y/N)		No			
Deck Drainage			4	4	Icing along west side and East side. no drains
Drains Clogged (Y/N)		No			
Curbs/Median			5	6	Minor girder damage
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			4	5	REPAIRED USING READI ROD & 7/16" BOLTS NOT GALVANIZED.
(Type : BRIDGE TUBE)					
Bridge Rail Posts			5	5	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			5	5	Diagonal narrow CRACK IN ANCHOR ZONE 300mm LONG SPAN2, GIRDER 5 & S2,G1,G9 Minor staining on underside of precast from connector pockets. G1,G3,G4 hairline cracks in A2 span 1. & G9.S1 Narrow crack A2G1,5,S1 & G4,S3&G1S3 Scaling G2,S3 at side A2(30X300mm) Spalling S3G6 and scaling S3G5
Last Complete Inspection Date		23-Feb-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 27)					
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) : 1000)						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				4	4	GRAVEL WASHED AWAY NW CORNER, 400mm.
Greatest Height (m)		1.20		Backwall not low enough and loss of material under backwall sheet.		
Wingwalls				5	6	
(Total Number of Bearing Piles : 10:10)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				5	5	Abut 2 pile 5 leaning approx 130mm. ABUT 2 PILES 4 & 7 LEANING APPROX, 70MM.
Paint/Coating				X	X	
Abutment Stability				4	4	
Scour/Erosion				4	4	Loss of material under backwalls.
Piers/Bents						
(Type : PIER-COLUMN)						
2 bearing plates under NW pier piles, # 1 & 2.						
(Total Number of Caps/Corbels : 3:3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				5	5	Shrinkage crack wwest end of scope
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles				4	4	Vertical cracks approx. 7 to 10mm gap.
Greatest Height (m)		3.50				
Bracing/Struts/Sheathing				5	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		5	5	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				
(D/S Direction : W)				
Alignment		7	7	
Bank Stability		6	7	
HWM (m below Top of Curb)				HWM NOT VISIBLE.
Drift (Y/N)	No			
Slope Protection (Type :)		4	5	Minor erosion along banks
Guidebank/Spurs		X	X	
Adequacy of Opening		7	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	7	

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) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	59.1/63.1	Est. Repl. Yr	2021	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor scour NW corner. Monitor loss of material under backwalls.		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	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina			
Next Inspection Date	03-Aug-2013		Previous Inspection Date	23-Feb-2010			
Inspection Cycle (Default) (months)	21						
Comment							