

Bridge Inspection									
Bridge File Number	74501 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1992/1992				Lot No.	2			
Bridge or Town Name	COLD LAKE				Inspector Name	Todd Warshawski			
Located Over	MARIE CREEK, 7.7, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	897:14 C1 11.063				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Dec-2011			
Legal Land Location	SE SEC 12 TWP 64 RGE 3 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-110:19:14, 54:31:13				Data Entry Date	11-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA08				Review Date	30-Dec-2011			
Clear Roadway/Skew	9.2 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	490 / 2010 (A)				Dept. Review Date	18-Jan-2012			
Road Classification	RCU-210-110				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:	CS750						----> 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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks	Install on approach rail posts - too low.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	West r/w.				Gas				
Power	3 wires OH 15 m East of c/l.				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Approaches both ways to North. Limited sight distance at west curve. No passing.					
Vertical Alignment		7	7						
Roadway Width (m)	9.400			Wide transverse crack at both abutment joints. Settlement at both approaches.					
Approach Bump		7	4						
Guardrail (Y/N)	Yes			Insufficient length & not thrie beam transition. SW & NE - 34.5m; NW & SE - 45.6m.					
Guardrail		7	7						
Length (m)	34.500			Erosion at base of SW transition posts.					
Current Standard (Y/N)	No								
Termination Type	Turned 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): 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						
Now	15.0	0.0	0.0	0.0		
Wearing Surface				7	7	
(Material Type : ACP)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			N	N	(Buffer angles only. 94/09/21) Paved over. Wide ACP cracks along abutment joints.	
Bump (Y/N)		Yes				
Deck Drainage			8	8	No drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			6	5	Plow scrapes/end spalls .	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			8	4	Double layer flexbeam. Incorrect splice/lap.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			8	8		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Girders			5	5	Hairline longitudinal crack on lower curb fascia, length of girder, both curb units. Hairline crack on underside of curb @ SE. 0.5m length. Only curb lift pockets visible.	
Last Complete Inspection Date		15-Dec-2011				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 9)						
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) : 1600)							
(Total Number of Caps/Corbels : 2:2)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Crowned. Stiffeners not centered over piles at North abutment - worst @ edge of piles.	
Last							
Now						Backwall scab install too low average 225.	
Bearing Seats/Caps/Corbels				6	6		
(Type : STEEL)							
(Depth(mm) : 350)							
(Width(mm) : 370)							
Backwalls/Breastwalls				7	6		
Greatest Height (m)		3.20					
Wingwalls				7	7		
(Total Number of Bearing Piles : 11:11)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)		Several piles with minor checks.	
Last							
Now							
Piles				6	6		
Paint/Coating				4	4	Scaling on caps.	
Abutment Stability				7	7		
Scour/Erosion				8	8		
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 :)							
Pier Stability				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Old piles in channel
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				Hwm not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	
(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	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Seal.					
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	2012	Patch ACP at both approaches.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	68.1/65.7	Est. Repl. Yr	2042	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	15-Mar-2015		Previous Inspection Date	14-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							