

Bridge Inspection											
Bridge File Number	73185 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1988/1988				Lot No.	2					
Bridge or Town Name	ROBB				Inspector Name	Todd Warshawski					
Located Over	EMBARRAS RIVER, 8.11.107.33, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	40:26 C1 0.105				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	31-Oct-2012					
Legal Land Location	NE SEC 28 TWP 48 RGE 21 W5M				Data Entry By	Lisa Fairhurst					
Longitude, Latitude	-117:00:30, 53:10:15				Data Entry Date	21-Nov-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA13				Review Date	13-Nov-2012					
Clear Roadway/Skew	45 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	160 / 2011 (A)				Dept. Review Date	22-Nov-2012					
Road Classification	RLU-209G-90				Follow-Up By						
Detour Length (km)	5										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS23									----> 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)	Yes										
Remarks	Installed on approach rail posts. Set too high on SE. Broken on NW										
Other Sign Types	Information, warning & stop sign 70m East. Narrow bridge. 45km/h.										
Utilities (Located at)											
Utility Attachments											
Telephone	North r/w.				Gas						
Power	5 wires above bridge. 3 wires North r/w.				Municipal						
Others					Problem (Y/N)	No					
Remarks											
Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			6	6	30 m from Hwy 40 North jct. In gradual shallow sag curve.						
Vertical Alignment			7	7							
Roadway Width (m)	9.300										
Approach Bump			6	6							
Guardrail (Y/N)	Yes				(Insufficient length. Not thrie beam transition. - Nov/10)						
Guardrail			6	N							
Length (m)	11.400										
Current Standard (Y/N)	No										
Termination Type	Turned Down										
Drainage			4	N	(Windrows under guardrail.- Nov/10)						
Approach Road General Rating			6	6							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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	100.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	(Scarified and abraded. 10/Oct/2005) Covered by snow/ice.
Deck Rideability			7	7	
Deck Joints			N	N	(Buffer angles. 18/Apr/2007) Dirt, ice/snow covered.
Bump (Y/N)		No			
Deck Drainage			4	N	(Stained girders from leakage between lines and paint failure on caps below joints. No deck drains.- Nov/10)
Drains Clogged (Y/N)		No			
Curbs/Median			5	N	Covered in snow/ice.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	4	Double layer. 32 splice bolts missing (photo)Not lapped to standard for multi layer bridgerail. Dirty.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	N	
(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			4	4	G1 has 2 minor chips on fascia - Cracks on outside fascia of curb. Typical diagonal cracking G1/G4 less than 0.5m. G1 West end spalled - photo. GB NE end spalled Narrow horizontal crack on outer face of G1
Last Complete Inspection Date		31-Oct-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1800)						
(Total Number of Caps/Corbels : 1:1)				2 HP 310 caps, welded with crown.		
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) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls			4	4		
Greatest Height (m)		3.00				
Wingwalls			4	5		
(Total Number of Bearing Piles : 6:6)				Splices are above ground. Not anchored or strutted.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				7	6	
Paint/Coating				4	4	
Abutment Stability				7	7	
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 :)						
Pier Stability				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	6	
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)	Yes			Old TT/HP piles in stream, down side of bridge.
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		7	7	

Next Inspection Date	31-Jul-2014	Previous Inspection Date	08-Nov-2010
Inspection Cycle (Default) (months)	21		
Comment			