

Bridge Inspection									
Bridge File Number	75362 -1 Bridge				Form Type	TT			
Year Built/Year Supstr	1961/1961				Lot No.	3			
Bridge or Town Name	EMPRESS				Inspector Name	Owen Salava			
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A			
Located On	41:08 C1 52.530				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	18-Jul-2012			
Legal Land Location	SE SEC 9 TWP 21 RGE 1 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:04:32, 50:45:55				Data Entry Date	02-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA22				Review Date	31-Jul-2012			
Clear Roadway/Skew	10.6 / 0 deg.				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	570 / 2011 (A)				Dept. Review Date	07-Aug-2012			
Road Classification	RAU-210-110				Follow-Up By				
Detour Length (km)	11								
Allowable Load (t):	Single			Semi			Train		----> On Critical Spans ---->Critical Member
Design Loading:									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)		In Advance (Y/N)	
Remarks	Not required.											
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)	No										
Remarks											
Other Sign Types	Passing lane. Keep right except to pass. Pass with care.										

Utilities (Located at)											
Utility Attachments											
Telephone					Gas						
Power	3 line East fenceline.				Municipal						
Others					Problem (Y/N)	No					
Remarks											

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	3.5% grade to the North with passing lane. No passing NB over pipe.				
Vertical Alignment			5	5					
Roadway Width (m)		10.600			1.2m cover.				
Approach Bump			8	8					
Guardrail (Y/N)		Yes			Minor scrapes, small tear @ NE turn down end.				
Guardrail			4	5					
Length (m)		68.000							
Current Standard (Y/N)		Yes							
Termination Type		Turned Down							
Drainage			8	8					
Approach Road General Rating			5	5					

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TP, 1 Spans, Lengths(m): 1.5, A-Ident Number:)						
Special Features						
Special Feature					X	
(Type :)						
Special Feature					X	
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0	0		
Now	0.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				6	6	ACP thickness btwn 50-100mm.
(Material Type : ACP)						
(Plank Thickness(mm) : 50)						
(Plank Width(mm) :)						
Deck Rideability				7	7	
Wheel Guards				X	X	
(Curb Type :)						
(Type :)						
(Thickness(mm) :)						
(Width(mm) :)						
Bridge Rail				X	X	
(Type :)						
Bridge Rail Posts				X	X	
(Type :)						
Bridge Rail/Posts Coating				X	X	
(Type :)						
(No. of Stringers : 14)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Laminated on edge.
Last	0	0	0	0		
Now	0	0	0	0		
Stringers				6	6	
(Type : TREATED TIMBER)						
(Width(mm) : 75)						
(Depth(mm) :)						
(Spacing(mm) : 0)						
Sub Deck/Deck Underside				6	6	
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) :)						
(Plank Width(mm) : 150)						
Defects (Percent Area)		0				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				6	6	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure							
Bridge Component					Last	Now	Explanation of Condition
(Total Number of Caps/Corbels : 1:1)							Notched into 200 x 200 verticals.
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				6	6		
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 75)							
Backwalls/Breastwalls					5	5	
Greatest Height (m)		2.20					
Wingwalls					5	5	
(Total Number of Bearing Piles : 14:14)							200 x 200.
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last	0	0	0	0			
Now	0	0	0	0			
Piles				7	7		
Paint/Coating				X	X		
Abutment Stability				7	7		
Scour/Erosion				X	X		
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		
Scour				X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Debris (Y/N)	Yes			Debris & fence material at both ends.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	Cattlepass not in use. Entrance fences in disrepair. Suitable for use though.
Traffic Safety Features		X	X	
Type	None			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		7	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Remove debris & fence material from both ends.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	61.4/62.7	Est. Repl. Yr	2034	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	(AT have applied to remove structure when convenient. 21May2007)		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2007.05.21 Remove or remediate the structure when convenient.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Jason Saly		Previous Assistant's Name				
Next Inspection Date	18-Apr-2014		Previous Inspection Date	30-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							