

Bridge Inspection											
Bridge File Number	73137 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1995/1995				Lot No.	2					
Bridge or Town Name	EDSON				Inspector Name	Shane Hall					
Located Over	CNR				Inspector Class	BR CLS A					
Located On	47:06 C1 55.418				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	15-Oct-2012					
Legal Land Location	SW SEC 4 TWP 53 RGE 18 W5M				Data Entry By	Lisa Fairhurst					
Longitude, Latitude	-116:35:59, 53:32:42				Data Entry Date	20-Nov-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA13				Review Date	12-Nov-2012					
Clear Roadway/Skew	11 / 37 deg. (RHF)				Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,020 / 2011 (A)				Dept. Review Date	22-Nov-2012					
Road Classification	RAU-209-110				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 Vert. Clearance Posting (m)															
Posted Vertical Clearance (Y/N)										No					
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	No	Lane	WB	On Bridge (m)		In Advance (Y/N)	No			
Remarks										Not required. Track measure = 6.975m.					
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)										No					
Remarks										Not required.					
Other Sign Types										File plaque missing @ NW.					

Utilities (Located at)										
Utility Attachments										
Telephone	West r/w.				Gas					
Power	3 wires West r/w, 1 wire South.				Municipal					
Others	CNR comm line each side track - buried.				Problem (Y/N)	No				
Remarks										

Approach Road										
				Last	Now	Explanation of Condition				
Horizontal Alignment				5	5	Local road intersection at NW corner.				
Vertical Alignment				5	5	On 1.5% grade with curves at both ends.				
Roadway Width (m)		9.300				15mm wide unfilled crack @ North and South ACP approach slab (photo)				
Approach Bump				6	5					
Guardrail (Y/N)		Yes				Insufficient posts, not thrie beam transition.				
Guardrail				5	5					
Length (m)		49.000								
Current Standard (Y/N)		No								
Termination Type		Turned Down								
Drainage				6	6					
Approach Road General Rating				5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 6 Spans, Lengths(m): 9.1-10.3-10.3-10.3-11.8-10.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			5	5	Chipseal on concrete.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			7	7	Buffer angles at abutments.
Bump (Y/N)		No			
Deck Drainage			5	5	No deck drains
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	4	No splice bolts @ East & West sleeves at North end @ 2 locations.(photo)
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(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			7	7	
Last Complete Inspection Date		15-Oct-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 60)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

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				7	7	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 800)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.70				
Wingwalls				7	7	
Plaque missing from NW wingwall and SE wingwall (photo)						
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				6	6	
Painted @ abutment ends only.						
Abutment Stability				7	7	
Scour/Erosion				4	4	
200mm void (1m long) under middle of A1.						
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1:1:1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				6	6	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 800)						
(Total Number of Bearing Piles : 9:9:9:9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				4	4	
Greatest Height (m)		8.80				
Bracing/Struts/Sheathing				6	6	
Painted steel angle @ P2 & P3 only. Rust scale @ gussets. Bottom diagonal brace between P3P8 & P3P9 bent.						
Nose Plate				X	X	
Paint/Coating				4	4	
Rust spots on steel bracing, prime visible. Medium rust scale on original pipe piles below concrete casings.						
(Colour Description :)						
Green, bracing only.						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		5	5	Steel pipe piles exposed @ P1& P4 due to headslope settlement.
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type	None			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace missing Bridgerail splice bolts x 2					
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	2013	Fill cracks in ACP @ N and S approach slabs					
OTHER ACTION	2013	Replace BF plaques					
OTHER ACTION	2013	Determine if exposed steel piling at piers in structural concern over short/long term					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	66.2/65.7	Est. Repl. Yr	2055	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor pier pile cracking		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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	15-Jul-2014		Previous Inspection Date	09-Nov-2010			
Inspection Cycle (Default) (months)	21						

Comment	
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