

Bridge Inspection							
Bridge File Number	75055 N-1 Bridge			Form Type	SG		
Year Built/Year Supstr	1960/1960			Lot No.			
Bridge or Town Name	LEDUC			Inspector Name	Eric Carcoux		
Located Over	39:11 R1 2.307;39:11 L1 2.303			Inspector Class	BR CLS A		
Located On	2:30 R1 35.185			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	26-Mar-2013		
Legal Land Location	NE SEC 27 TWP 49 RGE 25 W4M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-113:33:49, 53:15:52			Data Entry Date	26-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name			
Contract Main. Area	CMA11			Review Date			
Clear Roadway/Skew	11.6 /			Dept. Reviewer Name			
AADT/Year	37,980 / 2012 (A)			Dept. Review Date			
Road Classification	RAD-412.4-120			Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 42 GIRDER	Semi	CS2 68 GIRDER	Train	CS3 102 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20			----> Primary Span			

Posting Information											
Required Vert. Clearance Posting (m)		UNDER: 39 L1 4.7m, 39 R1 4.7m									
Posted Vertical Clearance (Y/N)											
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)		Lane	WB	On Bridge (m)		In Advance (Y/N)
Remarks											
Required Load Posting (t)		Single		Semi		Truck Train					
Posted Loading (t)		Single		Semi		Truck Train					
Posted:	Lane	NB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)				
Posted:	Lane	SB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)				
Remarks											
Hazard Marker At Bridge (Y/N)											
Remarks											
Other Sign Types											

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	
Remarks			

Approach Road				
	Last	Now	Explanation of Condition	
Horizontal Alignment	7			
Vertical Alignment	6			
Roadway Width (m)				
Approach Bump	6			
Guardrail (Y/N)				
Guardrail	N			
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage	N			
Approach Road General Rating	6			

Superstructure				
Bridge Component	Last	Now	Explanation of Condition	
(Primary Span : RB, 3 Spans, Lengths(m): 13.7-15.8-13.7, A-Ident Number: A0318-01)				
Special Features				
Special Feature	5			
(SType : CATH PROTECTION)				
Special Feature				
(Type :)				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
Last	10			
Now				
Wearing Surface	4			
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)				
(Thickness(mm) : 50)				
Deck Top	N			
Deck Rideability	7			
Deck Joints	7			
Temperature (deg. C)				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))				
(Fixed Type :)				
Gap Size (mm)		Gap Location		
Deck Drainage				
Drains Clogged (Y/N)		4		
Curbs/Median				
(Curb Type : Standard)				
Scaling (Percent Area)		4		
Bridge Rail				
(Type : GALVANIZED STEEL BRIDGE TUBE)				
Bridge Rail Posts	N			
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)				
Bridge Rail/Posts Coating	7			
(Type : GALVANIZED)				
Sidewalk	X			
Girder/Beam				
Cover Plate	N			
Flange	2			
Web	3			
Stiffeners	7			
Splice	7			
Weld	7			
Diaphragms/Cross Frame	2			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RB, 3 Spans, Lengths(m): 13.7-15.8-13.7, A-Ident Number: A0318-01)				
Paint Condition		5		
(Colour Description : BLUE)				
(Colour Code : 15182)				
Touchup Required (Y/N)				
Bearings		5		
Temperature (deg. C)				
(Expansion Type : ROCKER BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		4		
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)				
Horizontal (Y/N)				
Superstructure General Rating		2		
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6		
(Type : CONCRETE)				
Backwalls/Breastwalls		5		
Wingwalls		7		
Piles		N		
Paint/Coating		5		
Abutment Stability		6		
Scour/Erosion		7		
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		6		
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4:4)				
Pier Shaft/Piles		6		
Bracing/Struts/Sheathing		X		
Nose Plate		X		
Paint/Coating		6		
(Colour Description :)				
(Colour Code :)				
Pier Stability		7		
Scour		X		
Debris (Y/N)				
Substructure General Rating		6		

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7		
Traffic Safety Features		4		
Type				
Slope Protection		5		
(Type : CONCRETE; CONCRETE)				
Bank Stability		6		
Drainage		7		
Grade Separation General Rating		4		

Maintenance Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL						
GALVANIZE/PAINT BRIDGE RAIL						
RETROFIT BRIDGE RAIL						
SEAL CURBS						
PATCH DECK						
SEAL DECK						
OVERLAY DECK						
REPAIR/REPLACE DECK JOINTS						
RESET/ PAINT BEARINGS						
REPAINT SUPERSTRUCTURE						
STRAIGHTEN/REPLACE MEMBERS						
WASHING						
SHOTCRETE REPAIRS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	44.4/	Sufficiency Rating (Last/Now) (%)	50.1/	Est. Repl. Yr		Maint. Req. (Y/N)	
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Special Comments for Next Inspection		Department Comments	
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Maintenance Reviewed By		Date		Estimated Total	0
Proposed Long-Term Strategy					
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Kris Bosters	Previous Assistant's Name			
Next Inspection Date	26-Dec-2014	Previous Inspection Date	14-Dec-2012		

Inspection Cycle (Default) (months)	21
Comment	