

Bridge Inspection											
Bridge File Number	73819 -1 Bridge					Form Type	CON				
Year Built/Year Supstr	1951/1951					Lot No.	3				
Bridge or Town Name	COLEMAN					Inspector Name	Garry Roberts				
Located Over	MUNICIPAL					Inspector Class	BR CLS A				
Located On	3:02 C1 14.629					Assistant Name					
Water Body Cl./Year						Assistant Class					
Navigabil. Cl./Year						Inspection Date	28-Nov-2011				
Legal Land Location	NE SEC 8 TWP 8 RGE 4 W5M					Data Entry By	Erin Roberts				
Longitude, Latitude	-114:30:12, 49:38:10					Data Entry Date	05-Jan-2012				
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey				
Contract Main. Area	CMA26					Review Date	08-Dec-2011				
Clear Roadway/Skew	11.3 /					Dept. Reviewer Name	Tim Davies				
AADT/Year	6,470 / 2010 (A)					Dept. Review Date	10-Jan-2012				
Road Classification	RAU-211.8-110					Follow-Up By					
Detour Length (km)	3										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25					----> Primary Span					

Posting Information												
Required Vert. Clearance Posting (m)			UNDER: MUNICIPAL 3.2m									
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	3.2	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	3.2	In Advance (Y/N)	No
Remarks		Vertical clearance measurements confirmed as accurate.										
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		Not required										
Hazard Marker At Bridge (Y/N)		Yes										
Remarks		@ NE & SW only Minor damage @ NE										
Other Sign Types		PED XING, SCHOOL, 30 km/hr										

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone		Gas	
Power	1W over North curb & light standards.		Municipal
Others	+4W 100m West.		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	50 km/hr zone within town.
Vertical Alignment		6	6	
Roadway Width (m)	12.200			No guardrail to bridge rail transition bolt @ NE - both missing. Not thriebeam
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CF, 1 Spans, Lengths(m): 9.1, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(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			7	7	Estimate using 220mm curb height
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	Paved over.
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type : ASPHALTIC FIBRE BOARD)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Flexual cracks every 1 m both sides & leaching outer lower curb.
(Curb Type : Standard;None)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	8 A/B nuts not fully engaged- several others are just flush. Wide load scrapes.
(Type : STEEL BRIDGE TUBE)					
Bridge Rail Posts			4	4	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	5	
(Type :)					
Sidewalk			X	X	
Girders			X	X	
Diaphragms/Cross Frame			X	X	
Bearings			X	X	Integral slab & breastwall
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside			6	6	Some isolated leaching from hairline cracks. Minor high load scrapes.
Stains (Percent Area)		5			
Coating failed @ fascia					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CF, 1 Spans, Lengths(m): 9.1, A-Ident Number:)				
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				
Bearing Seats		X	X	
Backwalls/Breastwalls		7	7	
Wingwalls		6	7	
Piles		N	N	Buried.
Paint/Coating		5	5	Isolated peeling
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
Pier Shaft/Piles		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		4	5	On a 2% grade with a 90 deg turn at North end-posted @ 20 km/h Sidewalk at east abutment wall.
Traffic Safety Features		X	X	
Type				
Slope Protection		7	7	Rock in concrete.
(Type : RIP RAP; RIP RAP)				
Bank Stability		7	7	
Drainage		4	4	Drains from north and ices under bridge
Grade Separation General Rating		4	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							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION	2012	Install advance vertical clearance signs					
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	49.1/48.8	Est. Repl. Yr	2031	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	28-Aug-2013		Previous Inspection Date	17-May-2010			
Inspection Cycle (Default) (months)	21						
Comment							