

Bridge Inspection											
Bridge File Number	81815 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1993/1993				Lot No.	2					
Bridge or Town Name	LODGEPOLE				Inspector Name	Wade Nanninga					
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B					
Located On	753:02 C1 10.706				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	24-Jan-2011					
Legal Land Location	NE SEC 27 TWP 48 RGE 10 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:22:23, 53:10:27				Data Entry Date	28-Feb-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA11				Review Date	14-Feb-2011					
Clear Roadway/Skew	12.8 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	510 / 2009 (A)				Dept. Review Date	02-Mar-2011					
Road Classification	RCU-210-110				Follow-Up By						
Detour Length (km)	2										
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	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		Not required.								
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	No passing crest curve both ways. Limited sight distance both directions.				
Vertical Alignment			6	6					
Roadway Width (m)		10.000			SW section torn but functioning. No thrie beam.				
Approach Bump		8	7						
Guardrail (Y/N)		Yes							
Guardrail		4	4						
Length (m)		19.000							
Current Standard (Y/N)		No							
Termination Type		Turned Down			(The SW & SE sideslope has eroded slightly behind wingwall. Grassed in. 16/Sept/2004) Snow covered.				
Drainage		N	N						

Approach Road					
		Last	Now	Explanation of Condition	
Approach Road General Rating		6	6		
Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 6, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered gutters.
Last	10				
Now	10.0	0.0	0.0	0.0	
Wearing Surface		7	7		
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	No				
Deck Top		N	N	Covered by asphalt.	
Deck Rideability		8	8		
Deck Joints		N	N	Paved over but transverse cracking over abutment joints, typical - photo.-17-Dec-2007	
Bump (Y/N)	No				
Deck Drainage		7	7	No drains.	
Drains Clogged (Y/N)					
Curbs/Median		N	N	Snow covered.	
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail		8	8	Dirty.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		8	8		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		8	8		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		8	8		
Last Complete Inspection Date	24-Jan-2011				
Cracking (Y/N)	No				
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SC, 1 Spans, Lengths(m): 6, A-Ident Number:)						
Superstructure General Rating		8	8			
Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)		TT ext piles all corners.				
(Extended Backwall Piles Spacing(mm) : 1800)						
(Total Number of Caps/Corbels : 3:3)		Caps extended at both ends.				
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels		8	8			
(Type : STEEL)						
(Depth(mm) : 310)						
(Width(mm) : 310)						
Backwalls/Breastwalls		8	8			
Greatest Height (m)		3.60				
Wingwalls		4	4	The SW wing piles are split and bowing slightly		
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles		7	7			
Paint/Coating		6	5	Light rust edge of flange on cap.		
Abutment Stability		7	5	Piles bowing from backwall pressure.		
Scour/Erosion		X	8			
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	7	SAteel struts installed on ext piles.		
Nose Plate		X	X			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	5	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	Also used for snowmobile trail.
Traffic Safety Features		X	X	
Type				
Slope Protection		X	8	
(Type : NATURAL)				
Bank Stability		9	9	
Drainage		9	9	
Grade Separation General Rating		9	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
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	2011	Seal crack in ACP.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/72.2	Sufficiency Rating (Last/Now) (%)	75.4/70.3	Est. Repl. Yr	2046	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	24-Apr-2014		Previous Inspection Date	17-Dec-2007			
Inspection Cycle (Default) (months)	39						
Comment							