

Bridge Inspection										
Bridge File Number	73527 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1998/1998				Lot No.	2				
Bridge or Town Name	BLACKFALDS				Inspector Name	Jason Saly				
Located Over	CPR				Inspector Class	BR CLS A				
Located On	2A:18 C1 9.841				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	21-Nov-2011				
Legal Land Location	SW SEC 35 TWP 39 RGE 27 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:47:12, 52:23:49				Data Entry Date	21-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA19				Review Date	15-Dec-2011				
Clear Roadway/Skew	13.4 / 25 deg. (RHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	7,530 / 2010 (A)				Dept. Review Date	09-Jan-2012				
Road Classification	RAU-213.4-120				Follow-Up By					
Detour Length (km)	4									
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)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No	
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	At Bridge (Y/N)	No			
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No			
Remarks		Not required.											
Hazard Marker At Bridge (Y/N)		No											
Remarks		Not required.											
Other Sign Types		Curves 75 km/hr speed, max 80 km/hr											

Utilities (Located at)									
Utility Attachments									
Telephone					Gas	Double line crossing 20m South.			
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
				Last	Now	Explanation of Condition			
Horizontal Alignment				4	4	Sharp curves each side. Limited sight distance. Top of crest.			
Vertical Alignment				4	4				
Roadway Width (m)		14.400				ACP not flush with angle.			
Approach Bump				4	4				
Guardrail (Y/N)		Yes							
Guardrail				7	3	Minor creasing; 2 broken posts NE guardrail; 4 missing guardrail posts from NW rail.			
Length (m)		99.000							
Current Standard (Y/N)		Yes							
Termination Type		Turn Down							
Drainage				4	4	Drainage at SE is causing erosion at SE hslp.			
Approach Road General Rating				4	4				

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : SCC, 3 Spans, Lengths(m): 14-14.3-14, 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.	
Last						
Now	10.0	0.0	0.0	0.0		
Wearing Surface				7	6	Chipseal on high density concrete. (Chipseal ends 750mm from curb. 10Feb2010).
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			8	7	Protection angles.	
Bump (Y/N)		No				
Deck Drainage			6	6	Drains are flush with girder U/S, staining. Should be extended.	
Drains Clogged (Y/N)		No				
Curbs/Median			N	N	(Lightly scaled but previously sealed. Typical vertical cracking @ 0.3m spacing. 23/Feb/2009) Snow covered.	
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail			9	8		
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			9	8		
(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			8	8		
Last Complete Inspection Date		21-Nov-2011				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 36)						
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating			8	8		

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				8	8	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 700)						
Backwalls/Breastwalls				8	N	
Greatest Height (m)		1.80				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100					
Now	100	0	0	0		
Piles				N	N	
Paint/Coating				7	7	
Abutment Stability				8	8	
Scour/Erosion				6	5	
(Narrow cracking, typical. 10Feb2010). Due to the design shape of the girders, the backwall is not visible.						
Piers/Bents						
(Type : PIER-COLUMN)						
(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) : 750)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Pier Shaft/Piles				8	7	
Greatest Height (m)		6.20				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				8	7	
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	
Concrete bulkhead.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type				
Slope Protection		6	6	On sides of headslopes only, center natural.
(Type : RIP RAP; RIP RAP)				
Bank Stability		8	8	
Drainage		7	7	
Grade Separation General Rating		7	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace 6 TT guardrail posts.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2012	10m3 Class I. (Operations)					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Extend deck drains past girder U/S (100mm dia PVC x 300mm L). (Programmed)					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/88.9	Sufficiency Rating (Last/Now) (%)	60.3/61.1	Est. Repl. Yr	2050	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	21-Aug-2013	Previous Inspection Date	10-Feb-2010				
Inspection Cycle (Default) (months)	21						
Comment							