

Bridge Inspection										
Bridge File Number	79308 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1980/1980				Lot No.	1				
Bridge or Town Name	SIBBALD FLAT				Inspector Name	Jon Davies				
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B				
Located On	68:04 C1 25.673				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	18-Sep-2012				
Legal Land Location	NW SEC 12 TWP 24 RGE 6 W5M				Data Entry By	Lauren Korte				
Longitude, Latitude	-114:43:11, 51:02:13				Data Entry Date	10-Oct-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA28				Review Date	21-Sep-2012				
Clear Roadway/Skew	11.3 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	310 / 2011 (A)				Dept. Review Date	11-Oct-2012				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	16									
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member
Design Loading:	MS225								----> 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	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										
Other Sign Types	ACP to gravel.									

Utilities (Located at)										
Utility Attachments										
Telephone	North r/w.				Gas					
Power	50.0 m East - 1 wire.				Municipal					
Others					Problem (Y/N)	No				
Remarks	OIL & SOUR OIL PIPELINES 15m West xing. Pipelines have cathodic protection.									

Approach Road									
				Last	Now	Explanation of Condition			
Horizontal Alignment				5	5	On curve - limited sight distance. Crest 100m West.			
Vertical Alignment				6	6				
Roadway Width (m)		12.300							
Approach Bump				6	6				
Guardrail (Y/N)		Yes				Wrong lap at NE.			
Guardrail				4	4				
Length (m)		34.000				Not thriebeam.			
Current Standard (Y/N)		No							
Termination Type		TURNED DOWN							
Drainage				7	7				
<b>Approach Road General Rating</b>				<b>5</b>	<b>5</b>				

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 1 Spans, Lengths(m): 8, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type : )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	6	Several patches. Moderate pitting.
Deck Rideability			7	7	
Deck Joints			N	N	Koch-oil covered.
Bump (Y/N)		No			
Deck Drainage			6	6	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		1			
Bridge Rail			7	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			6	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	5	
<b>Now</b>	0	0	0	2	
Girders			3	3	Corrosion stains @ connector pockets. G9 and G5 have medium cracks, no stains. Rated 4. G6, G7 have wide longitudinal cracks but no corrosion staining. Rated 3. Previous repairs have been made to same girders. Small spall adjacent to grout pocket at G8 girdertop.
Last Complete Inspection Date		18-Sep-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>10</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>3</b>	<b>3</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)				4N, 6S. Extended piles make wingwall at each corner.		
(Extended Backwall Piles Spacing(mm) : 2000)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)			3 (count)
<b>Last</b>	0	0	0			0
<b>Now</b>	0	0	0			0
Bearing Seats/Caps/Corbels			7			7
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls			7	7		
Greatest Height (m)		3.90				
Wingwalls			7	7		
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Piles			7	7		
Paint/Coating			5	5		
Abutment Stability			7	7		
Scour/Erosion			6	6		
<b>Piers/Bents</b>						
(Type : )						
(Total Number of Caps/Corbels : )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
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)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles			X	X		
Greatest Height (m)						
Bracing/Struts/Sheathing			7	7		
Nose Plate			X	X		
Paint/Coating			X	X		
(Colour Description : )						
(Colour Code : )						
H-iron struts at extended piles only.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old power poles stored under bridge.
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		X	X	
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection (Type : <b>NATURAL; NATURAL</b> )		7	7	
Bank Stability		7	7	
Drainage		6	6	Water drains through North to South.
<b>Grade Separation General Rating</b>		<b>6</b>	<b>6</b>	

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	2012	Repair cracking in 4 girders and small spall at deck top G8.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>55.9/55.7</b>	Est. Repl. Yr	2025	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	18-Jun-2014		Previous Inspection Date	06-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							