

Bridge Inspection											
Bridge File Number	83039 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1986/1986				Lot No.	4					
Bridge or Town Name	SPRUCE VIEW				Inspector Name	Jason Saly					
Located Over	RED DEER RIVER, 3, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	MUNICIPAL				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	15-Feb-2012					
Legal Land Location	NW SEC 34 TWP 35 RGE 2 W5M				Data Entry By	Marcia Chavez					
Longitude, Latitude	-114:12:48, 52:03:15				Data Entry Date	09-Mar-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien					
Contract Main. Area	UNDEFINED CMA				Review Date	29-Feb-2012					
Clear Roadway/Skew	7.3 /				Dept. Reviewer Name	Andrew Smikles					
AADT/Year	47 / 2012 (E)				Dept. Review Date	14-Mar-2012					
Road Classification	RLU-208-100				Follow-Up By						
Detour Length (km)											
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 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									
Hazard Marker At Bridge (Y/N)			No						
Remarks									
Other Sign Types			MAX 25 KMH						

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	TO NORTH - TO OPERATE GATE				Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			5	5	Curve to W - hill to E.					
Vertical Alignment			5	5						
Roadway Width (m)		7.400								
Approach Bump			5	5						
Guardrail (Y/N)		Yes				Concrete barriers full lengths of dam.				
Guardrail			6	6						
Length (m)										
Current Standard (Y/N)		No								
Termination Type										
Drainage			5	5						
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SMO, 5 Spans, Lengths(m): 12-12.5-12.5-12.5-12, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X	5 GATES CONTROL WATER FLOW ON SPILLWAY	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	4	HDOL. Isolated delam spall on the W span.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			7	N	
Deck Rideability			7	7	
Deck Joints			7	7	At E & W abut; -4 deg. E gap 70mm, W gap 59mm.
Bump (Y/N)		No			
Deck Drainage				N	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	light scaling
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)					
Bridge Rail			8	7	100 x 200 tube rail steel 100 x 150 posts - some grout cracking at posts.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			7	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	100	0	0	0	
Girders			N	N	No access to view girders; number of girders unknown.
Last Complete Inspection Date					
Cracking (Y/N)					
Spalling (Percent Area)					
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>99999</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>7</b>	GR carried forward from 27Nov2002, but underside girders were not viewed.

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(Extended Backwall Piles Spacing(mm) : )						
(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>	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
Backwalls/Breastwalls				7	7	
Greatest Height (m)						
Wingwalls				7	7	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	100	0	0	0		
Piles				N	N	
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				7	N	
Ice						
<b>Piers/Bents</b>						
(Type : <b>PIER-SOLID</b> )						
(Total Number of Caps/Corbels : <b>1:1:1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
(Total Number of Bearing Piles : <b>0:0:0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	100	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating					N	
(Colour Description : )						
(Colour Code : )						
Pier Stability				7	7	
Buried.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		7	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : )				
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.0/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>84.0/71.4</b>	Est. Repl. Yr	2037	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Consider using a boat to inspect girder undersides.		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	Aime Theroux		Previous Assistant's Name				
Next Inspection Date	15-May-2015		Previous Inspection Date	27-Nov-2002			
Inspection Cycle (Default) (months)	39						
Comment							