

Bridge Inspection									
Bridge File Number	06648 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1971/1971				Lot No.	4			
Bridge or Town Name	STRATHMORE				Inspector Name	Garry Roberts			
Located Over	SERVICEBERRY CREEK, 3.33.9, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	817:04 C1 27.899				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Jan-2012			
Legal Land Location	NW SEC 23 TWP 25 RGE 25 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:24:01, 51:08:57				Data Entry Date	06-Feb-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA30				Review Date	18-Jan-2012			
Clear Roadway/Skew	9.1 / 8 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,570 / 2010 (A)				Dept. Review Date	09-Feb-2012			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 35 GIRDER	Semi	CS2 57 GIRDER	Train	CS3 82 GIRDER	----> On Critical Spans ---->Critical Member		
Design Loading:	HS20						----> Primary Span		
Posting Information									
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)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	CONDUIT WEST SIDE OF BRIDGE				Gas				
Power	3 W @ W R/W				Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	HILL SOUTH OF BRIDGE				
Vertical Alignment			6	6	Railway crosses South				
Roadway Width (m)	10.100				50 mm bump at North approach				
Approach Bump			5	4					
Guardrail (Y/N)	Yes				4 damaged posts at NW				
Guardrail			6	3	Not thriebeam				
Length (m)	8.000								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 1 Spans, Lengths(m): 11.6, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X	8	
(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			7	4	ACP is deteriorating along both sides of G9
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			7	5	
Deck Joints			N	N	Asphalt covered
Bump (Y/N)		No			
Deck Drainage			4	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	3	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		30			
Bridge Rail			7	4	2 layer Missing nut at SE post to rail bolt Minor damage to rail
(Type : <b>FLEX BEAM</b> )					
Bridge Rail Posts			7	7	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			7	6	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	8	
Girders			7	3	Wide cracks in both legs in AZ, G2, G3, G4, G5, G7, G8, G9, G10 all in un-sound concrete
Last Complete Inspection Date		12-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>11</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>7</b>	<b>3</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1600)					
(Total Number of Caps/Corbels : 5:5)				Double caps with petrotac	
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			8	7	
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			6	6	
Greatest Height (m)		2.90			
Wingwalls			6	6	
(Total Number of Bearing Piles : 11:11)					
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			5	5	
Paint/Coating			X	X	
Abutment Stability			6	6	
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			X	X	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description : )					
(Colour Code : )					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		6	5	
Bank Stability		5	4	Steep cut @ SE + SW
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	Yes			Small beaver dam under bridge
Slope Protection		6	6	300mm Rock and well grassed
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace 4 T.T. posts at NW approach					
SEAL CURBS	2012	Patch 2 curb spalls approx. 1 m2					
PATCH DECK	2012	Patch North approach ACP					
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	Check and repair girder connector pockets G9					
OTHER ACTION	2012	Assess for replacement.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>73.5/59.9</b>	Est. Repl. Yr	2020	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	Rex Davidson		Previous Assistant's Name				
Next Inspection Date	12-Apr-2015		Previous Inspection Date	08-Jun-2010			
Inspection Cycle (Default) (months)	39						
Comment							