

Bridge Inspection									
Bridge File Number	75866 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1966/1966				Lot No.	1			
Bridge or Town Name	STRATHMORE				Inspector Name	Garry Roberts			
Located Over	WID - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	817:04 C1 24.099				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	12-Jan-2012			
Legal Land Location	SW SEC 11 TWP 25 RGE 25 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-113:24:00, 51:06:55				Data Entry Date	07-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 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,570 / 2010 (A)				Dept. Review Date	09-Feb-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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									
Hazard Marker At Bridge (Y/N)		Yes							
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	ATTACHED TO WEST CURB				Gas	@ E FENCE LINE-no marker			
Power	3 WIRE EAST DITCH				Municipal				
Others					Problem (Y/N)	Yes			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	7	Residential access NE				
Vertical Alignment			8	8					
Roadway Width (m)		10.100							
Approach Bump			8	7					
Guardrail (Y/N)		Yes			1 split post at SW				
Guardrail			6	4					
Length (m)		53.000			Not thriebeam				
Current Standard (Y/N)		No							
Termination Type		TURNDOWN							
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>8</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>HC, 2 Spans, Lengths(m): 6.1-6.1, 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>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Crks @ abuts & pier - sealed
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	paved over
Bump (Y/N)		No			
Deck Drainage			8	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		30			
Bridge Rail			7	4	2 layer 2 loose post to rail bolts at SW 1 post A/B nut not fully engaged at SE
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			6	4	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			7	6	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			5	5	SOME DETERIORATION AROUND DRIFTS 4 girders with wide cracks in 1 leg in AZ - 1 is exterior
Last Complete Inspection Date		12-Jan-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>22</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>5</b>	<b>5</b>	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
<b>Abutments</b>							
(Extended Backwall Piles (Y/N) : Y)				(CORED IN 1991. MOISTURE FOUND IN ONE HOLE 1.3 m FROM END OF CAP AT THE SOUTH ABUT. THE NORTH ABUT. WAS IN GOOD SHAPE.) 020214			
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 3:3)				Approx 15 mm bulge at East end of South abut. cap			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
<b>Last</b>							
<b>Now</b>	0	0	0			1	
Bearing Seats/Caps/Corbels						6	3
(Type : TREATED TIMBER)							
(Depth(mm) : 355)							
(Width(mm) : 305)							
Backwalls/Breastwalls						7	6
Greatest Height (m)		2.40					
Wingwalls				6	4		
1 broken top plank at SE. Damaged tin tops at NW and SE							
(Total Number of Bearing Piles : 6:6)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Piles				5	4		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				7	6		
<b>Piers/Bents</b>							
(Type : PIER-COLUMN)				12mm check @ W			
(Total Number of Caps/Corbels : 3)				(CORED IN 1991. PIER CAPS IN GOOD SHAPE) 020214			
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				5	4		
(Type : TREATED TIMBER)							
(Depth(mm) : 305)							
(Width(mm) : 355)							
(Total Number of Bearing Piles : 8)				Suspect rot at fluctuating water line of pier piles			
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>							
<b>Now</b>	0	0	0	0			
Pier Shaft/Piles				6	4		
Greatest Height (m)		1.70					
Bracing/Struts/Sheathing				7	7		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description : )							
(Colour Code : )							

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
Scour		7	7	
Debris (Y/N)	Yes			Old piles in channel
<b>Substructure General Rating</b>		<b>5</b>	<b>3</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				NO HWM VISIBLE
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	6	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Tighten 2 post to rail bolts - replace 1 T.T. approach post.					
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS	2012	Core all caps and piles and act on results - core in winter.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Replace 2 tin tops.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.1/58.1</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	William Reardon		Previous Assistant's Name				
Next Inspection Date	12-Apr-2015		Previous Inspection Date	27-Nov-2008			
Inspection Cycle (Default) (months)	39						
Comment							