

Bridge Inspection									
Bridge File Number	78466 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1981/1981				Lot No.	2			
Bridge or Town Name	STIRLING				Inspector Name	Jon Davies			
Located Over	KIPP COULEE, 11.9.6, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	846:02 C1 5.689				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-Jun-2012			
Legal Land Location	NE SEC 32 TWP 6 RGE 19 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:31:04, 49:30:58				Data Entry Date	27-Jun-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	15-Jun-2012			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	880 / 2011 (A)				Dept. Review Date	29-Jun-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	5								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS23						----> 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)	No								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	West Row				Gas	50 M NORTH RUNNING EAST/WEST			
Power	1 WIRE E SIDE				Municipal				
Others	Fibre Optic Line West Ditch				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Not thriebeam				
Vertical Alignment			8	8					
Roadway Width (m)	9.000								
Approach Bump			8	7					
Guardrail (Y/N)			Yes						
Guardrail			7	7					
Length (m)			22.800						
Current Standard (Y/N)			No						
Termination Type			TURNED DOWN						
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 10, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			8	7	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	7	
Deck Joints			N	N	Paved over
Bump (Y/N)		Yes			
Deck Drainage			7	7	No drains
Drains Clogged (Y/N)					
Curbs/Median			6	6	SOME VERT HAIRLINE CRACKS. MINOR SPALLING ON ENDS.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
Bridge Rail			7	7	Double Layer
(Type : STEEL FLEX BEAM;GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			8	7	
(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	0	0	0	0	
Now	0	0	0	0	
Girders			5	5	Narrow longitudinal cracks at girder underside on 6 of 8 girders. Corrosion stains from connector pockets.
Last Complete Inspection Date		11-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			6	5	
(Type : TREATED TIMBER)					
(Depth(mm) : 356)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	6	
Greatest Height (m)		3.10			
Wingwalls			7	6	
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			6	5	
Paint/Coating			X	X	
Abutment Stability			7	6	
Scour/Erosion			5	5	
Starting to scour south abut.					
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
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)	
Last					
Now					
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			
Substructure General Rating		6	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Old single span bridge 40m East
(D/S Direction : E)				
Alignment		8	7	
Bank Stability		4	3	D/S banks scoured within 1 m of bridge - abutment headslope toe.
HWM (m below Top of Curb)	1.5			No visible HWM
Drift (Y/N)	No			
Slope Protection		5	5	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	3	

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	2012	80m3 of Class 2 at North and South D/S					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/55.6	Sufficiency Rating (Last/Now) (%)	64.0/59.6	Est. Repl. Yr	2036	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	11-Sep-2015		Previous Inspection Date	20-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							