

Bridge Inspection									
Bridge File Number	77083 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1988/1988				Lot No.	4			
Bridge or Town Name	COALDALE				Inspector Name	Garry Roberts			
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	845:02 C1 21.744				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	20-Mar-2012			
Legal Land Location	SW SEC 14 TWP 8 RGE 20 W4M				Data Entry By	Lauren Korte			
Longitude, Latitude	-112:37:23, 49:38:42				Data Entry Date	12-Apr-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA25				Review Date	23-Mar-2012			
Clear Roadway/Skew	10.8 / 11 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	800 / 2011 (A)				Dept. Review Date	17-Apr-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS300						----> 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	Curve.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	Water pipeline to West.				Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			5	5	Curve 200m South. Slight sag curve to the North, good sight distance.				
Vertical Alignment			8	8					
Roadway Width (m)	8.000				Wrong lap at SW and NE but well off roadway. All four corners - type 6. Not thriebeam.				
Approach Bump			8	7					
Guardrail (Y/N)	Yes								
Guardrail			7	5					
Length (m)	7.300								
Current Standard (Y/N)	No								
Termination Type	Flare end								
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>SMC, 4 Spans, Lengths(m): 8-11-11-8, 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>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Some longitudinal & transverse cracks.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	7	
Deck Joints			X	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Longitudinal, hairline cracks on top, outside & inside. Uneven curb line, grader scrapes at corners.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	7 post A/B nuts with less than full thread.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			8	4	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	7	
(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	6	Hairline horizontal cracks @ fascia. Typical narrow cracks @ bottom of most.
Last Complete Inspection Date		20-Mar-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
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>5</b>	<b>6</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : )						
(Extended Backwall Piles Spacing(mm) : )						
(Total Number of Caps/Corbels : <b>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) : <b>700</b> )						
(Width(mm) : <b>700</b> )						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.00				
Wingwalls				6	7	
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	1					
<b>Now</b>	10	0	0	0		
Piles				N	N	
Paint/Coating				7	6	
Abutment Stability				8	8	
Scour/Erosion				8	8	
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(Total Number of Caps/Corbels : <b>1:1:1</b> )						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>800</b> )						
(Width(mm) : <b>600</b> )						
(Total Number of Bearing Piles : <b>5:5:5</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.50				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		6	6	Galvanized pipe piles. Pigmented sealer on caps.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		N	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		9	9	
Bank Stability		5	6	Minor sloughing @ SW.
HWM (m below Top of Curb)	3.0			No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>8</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>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>71.8/71.2</b>	Est. Repl. Yr	2043	Maint. Req. (Y/N)	No
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	20-Jun-2015		Previous Inspection Date	22-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							