

Bridge Inspection										
Bridge File Number	06780 W-2 Bridge				Form Type	PCS				
Year Built/Year Supstr	1996/1996				Lot No.	4				
Bridge or Town Name	COALDALE				Inspector Name	Tom Carey				
Located Over	SMR - CHIN COULEE, WATERCRS-IC				Inspector Class	BR CLS A				
Located On	3:10 L1 23.529				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	12-Nov-2011				
Legal Land Location	SW SEC 25 TWP 9 RGE 19 W4M				Data Entry By	Alyssa Boynton				
Longitude, Latitude	-112:27:56, 49:45:25				Data Entry Date	07-Dec-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA24				Review Date	21-Nov-2011				
Clear Roadway/Skew	12.4 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	7,690 / 2010 (A)				Dept. Review Date	15-Dec-2011				
Road Classification	RAU-213-130				Follow-Up By					
Detour Length (km)	10									
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)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	WB	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	NORTH R/W				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	9	Straight					
Vertical Alignment		8	8	Rises to the East					
Roadway Width (m)		13.000		3 Lengths @ Wes with Flare Ends					
Approach Bump		5	5						
Guardrail (Y/N)		Yes							
Guardrail		8	8						
Length (m)		49.000							
Current Standard (Y/N)		Yes							
Termination Type		TURNDOWN							
Drainage		8	8						
Approach Road General Rating		8	8						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 12-13-12, 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			6	6	RANDOM MAP CRACKS 75% HAVE BEEN SEALED
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			9	9	
(Type : BRIDGE TUBE)					
Bridge Rail Posts			9	9	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			9	9	
(Type :)					
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			7	7	Minor crks @ poured section @ piers
Last Complete Inspection Date		12-Nov-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 11)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	1	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : CONCRETE)						
(Depth(mm) : 1000)						
(Width(mm) : 600)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.60				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	100	0	0	0		
Now	1	0	0	0		
Piles				N	N	
Paint/Coating				6	6	No capseal on caps- only on wings
Abutment Stability				9	9	
Scour/Erosion				9	6	
Piers/Bents						
(Type : PIER-COLUMN)						
Stains						
(Total Number of Caps/Corbels : 1:1)						
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				8	8	
(Type : CONCRETE)						
(Depth(mm) : 600)						
(Width(mm) : 500)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				9	9	
Greatest Height (m)						
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				9	9	No capseal on pier caps
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		N	N	Deep Water
Debris (Y/N)	No			
Substructure General Rating		9	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Canal curves at bridge site.
(D/S Direction : S)				
Alignment		8	8	
Bank Stability		9	9	
HWM (m below Top of Curb)	3.0			HWM on piles.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	74.1/74.1	Est. Repl. Yr	2064	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	12-Aug-2013		Previous Inspection Date	24-Jun-2010			
Inspection Cycle (Default) (months)	21						
Comment							