

Bridge Inspection							
Bridge File Number	74355 W-1 Bridge			Form Type	CON		
Year Built/Year Supstr	1957/1957			Lot No.	2		
Bridge or Town Name	COCHRANE			Inspector Name	Garry Roberts		
Located Over	JUMPINGPOUND CREEK, 2.13.43, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	1:06 L1 14.910			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	12-Feb-2012		
Legal Land Location	NE SEC 31 TWP 24 RGE 4 W5M			Data Entry By	Anne Roberts		
Longitude, Latitude	-114:32:36, 51:05:29			Data Entry Date	13-Mar-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA28			Review Date	21-Feb-2012		
Clear Roadway/Skew	15.2 / 35 deg. (RHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	18,200 / 2010 (A)			Dept. Review Date	22-Mar-2012		
Road Classification	RAD-412.4-120			Follow-Up By			
Detour Length (km)	1						
Allowable Load (t):	Single	CS1 32 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 72 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	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	CREEK I.D., CURVE						

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	N curb & N DITCH		Gas
Power	West end 100 m, 2W		Municipal
Others	Fibre optics N R/W		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	
Vertical Alignment		5	5	
Roadway Width (m)	12.500			West approach span spalls are patched with ACP.
Approach Bump		4	5	
Guardrail (Y/N)	Yes			Wrong lap at SE. Missing isolated splice bolts.
Guardrail		3	4	
Length (m)	68.000			Not thriebeam
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
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 : CT, 4 Spans, Lengths(m): 17.7-25-25-17.7, A-Ident Number: )					
<b>Special Features</b>					
Special Feature		7	6	1 nut loose at NW corner @ strap	
(SType : <b>EXT SHEAR STIRRUP</b> )					
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		4	4	Approx. 20 m2 chip coat delams OVER EPOXY ON CONCRETE-60mm total	
(Material Type : <b>CONCRETE - CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : <b>50</b> )					
Deck Top		N	N		
Deck Rideability		6	6		
Deck Joints		4	4	5 broken plow guards at West	
Temperature (deg. C)		-12			
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
85	West				
85	East				
Deck Drainage		7	7		
Drains Clogged (Y/N)		No			
Curbs/Median		4	3	Approx. 6 spalled areas at North fascia and NW soffit. Delams at South curb top Sp. 1	
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail		7	7	18 A/B nuts not fully engaged at South and 4 at North rails	
(Type : <b>STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts		4	4		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating		5	5		
(Type : )					
Sidewalk		X	X		
Girders		5	5	Some narrow shear cracks @ NE and SW	
Diaphragms/Cross Frame		6	6	Cracking at 25%.	
Bearings		5	5	Pin working out of 2 bearings @ S end center pier. APPEARS WORST IS OUT 25mm 2 anchor nuts missing center pier.. - No Change  Fixed @ pier #3 Rockers @ Piers	
Temperature (deg. C)		-12			
(Expansion Type : <b>ROLLER BEARING;ROCKER BEARING</b> )					
(Fixed Type : <b>SLIDING PLATE</b> )					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside		5	5	Corrosion stains @ deck exterior @ #3 @ south	
Stains (Percent Area)		5			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 4 Spans, Lengths(m): 17.7-25-25-17.7, A-Ident Number: )				
<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>				
Bearing Seats		6	6	
Backwalls/Breastwalls		6	6	
Wingwalls		7	6	
Piles		N	N	Buried
Paint/Coating		4	4	Tar coating is peeling at East
Abutment Stability		7	7	
Scour/Erosion		7	7	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		7	7	
(Type : <b>CONCRETE</b> )				
Pier Shaft/Piles		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Tight corrosion at P2 nose plate
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				Curve U/S
(D/S Direction : <b>N</b> )				
Alignment		5	5	
Bank Stability		5	5	Steep Cut NW & SE
HWM (m below Top of Curb)	9.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Mix of Cl. 1 and 2- also concrete at West
(Type : <b>RIP RAP; CONCRETE; RIP RAP; CONCRETE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>5</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS	2012	Approx. 5 m2 curb fascia and 3 m2 curb top repairs					
PATCH DECK	2012	20 m2 chip seal repair					
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2012	weld in 5 plow guards at West abut					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>61.1/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>64.6/64.5</b>	Est. Repl. Yr	2027	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	12-Nov-2013		Previous Inspection Date	14-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							