

Bridge Inspection							
Bridge File Number	74355 E-2 Bridge			Form Type	PSR		
Year Built/Year Supstr	1966/1966			Lot No.	4		
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 R1 14.931			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	12-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 /			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 49 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 74 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)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Posted:	Lane	WB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)
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	South girder/deck underside		Gas
Power	West of bridge-100m 2W		Municipal
Others	Fibre optics N R/W		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Wrong lap at NW and SE. Missing isolated splice bolts Not thriebeam
Vertical Alignment		5	5	
Roadway Width (m)	12.800			
Approach Bump		4	6	
Guardrail (Y/N)	Yes			
Guardrail		4	4	
Length (m)	30.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS.			
Drainage		6	6	
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PO, 3 Spans, Lengths(m): 29.3-31.1-29.3, 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	10		
Now	0.0	0.0	0.0	10.0		
Wearing Surface			3	3	CHIP COAT OVER 50 mm ACP Wide cracks throughout and small pot holes developing - some recently patched.	
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N		
Deck Rideability			5	5		
Deck Joints			7	7	Trough drains are full at both abuts	
Temperature (deg. C)		-12				
(Expansion Type : FINGER PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
50		E. abut				
45		W. abut				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	ONE SPALL @ CURB FASCIA @ S @ CENTRE SPAN - 400 mm x 100 mm.	
(Curb Type : Standard)						
Scaling (Percent Area)		2				
Bridge Rail			4	4	Several minor bends in rails.- Missing 1 top bolt 8th from SW and 1 bottom bolt South rail over P1. Missing 1 A/B at 7th from NW, 7th from NE 3rd and 9th from SE and 12th from SW Several other A/B nuts not fully engaged	
(Type : STEEL VERTICAL BAR)						
Bridge Rail Posts			3	3		
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			5	5		
(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			5	6	Minor corrosion stains @ G7 and G 8 @ center span. Minor typ crk on shoe plates @ abuts. Corrosion stains @ girder 8 @ west span - 8 continuous girders	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 8)						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 29.3-31.1-29.3, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		7	7	Fixed @ West Pier
Temperature (deg. C)	-12			Minor corrosion at exterior bearings
(Expansion Type : ROCKER BEARING)				
(Fixed Type : ROCKER BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Stains @ deck exterior underside @ SW
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		4	4	Top of SE wingwall has shifted 100mm
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		5	5	Vertical banks at East not yet encroaching on abutment
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Surface corrosion @ Nose Plates
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				On curve
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		5	5	Steep cut @ NW & SE
HWM (m below Top of Curb)	9.0			No visible HWM Minor drift U/S
Drift (Y/N)	Yes			
Slope Protection		7	7	Concrete and Rock @ west (Type : RIP RAP; CONCRETE; RIP RAP; CONCRETE)
Guidebank/Spurs		8	8	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Replace missing A/B and rail bolts					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2012	Fill potholes and seal cracks					
SEAL DECK							
OVERLAY DECK	2013	HP concrete overlay					
REPAIR/REPLACE DECK JOINTS	2013	Strip seal joints					
RESET/ PAINT BEARINGS	2013						
WASHING	2012	Clean backwall, trough and drains					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Seal gap at top of SE wing					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	70.2/70.1	Est. Repl. Yr	2030	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							