

Bridge Inspection										
Bridge File Number	71344 W-2 Bridge				Form Type	PCS				
Year Built/Year Supstr	1993/1993				Lot No.	4				
Bridge or Town Name	IRVINE				Inspector Name	Tom Carey				
Located Over	ROSS CREEK, 2.7, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	1:22 L1 23.096				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	08-Feb-2012				
Legal Land Location	NE SEC 34 TWP 11 RGE 3 W4M				Data Entry By	Lauren Korte				
Longitude, Latitude	-110:20:05, 49:57:21				Data Entry Date	26-Mar-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts				
Contract Main. Area	CMA23				Review Date	26-Feb-2012				
Clear Roadway/Skew	13.3 /				Dept. Reviewer Name	Tim Davies				
AADT/Year	5,160 / 2011 (A)				Dept. Review Date	29-Mar-2012				
Road Classification	RFD-412.4-130				Follow-Up By					
Detour Length (km)	1									
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)	Yes									
Remarks										
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone	Fibre optics South ROW.				Gas					
Power	3 line N. ditch, 25m FROM C.L.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			7	7	Missing approach to bridge rail transition bolt at NW, SE. Improper splice and missing 4 splice bolts at SE and NW. Not thriebeam.				
Vertical Alignment			8	8					
Roadway Width (m)	13.000								
Approach Bump			6	7					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	99.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SCC, 3 Spans, Lengths(m): 12-10-12, 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 (%)	New ACP.
<b>Last</b>	0	0	0	0	
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			4	8	
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			5	8	
Deck Joints			N	N	ACP covered.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	MINOR BREAK @ 3rd POST FROM West @ South SIDE. HAIRLINE VERT. CRACK 0.45 m. Narrow vert cracks in fascia @ anchor bolt locations with some staining RANDOM NARROW CRACKS ON TOP OF CURB.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : <b>BRIDGE TUBE</b> )					
Bridge Rail Posts			7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			5	5	TYPICAL NARROW DIAGONAL CRACK IN BOTTOM OF 4 EXTERIOR GIRDERS. Vertical crack in CP blockout @ pier-typ.
Last Complete Inspection Date		08-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>12</b> )					
<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>						
(Extended Backwall Piles (Y/N) : <b>N</b> )						
(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>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>850</b> )						
(Width(mm) : <b>600</b> )						
Backwalls/Breastwalls			N	N		
Greatest Height (m)		1.00				
Wingwalls			8	8		
(Total Number of Bearing Piles : <b>0:0</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	10	0	0	0		
<b>Now</b>	10	0	0	0		
Piles				N	N	
Paint/Coating				6	6	
Abutment Stability				5	7	
Scour/Erosion				3	8	
New class 1 rip rap @ abutments.						
<b>Piers/Bents</b>						
(Type : <b>PIER-COLUMN</b> )						
(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>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Bearing Seats/Caps/Corbels				8	8	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : <b>850</b> )						
(Width(mm) : <b>700</b> )						
(Total Number of Bearing Piles : <b>6:6</b> )						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				8	8	
Greatest Height (m)		4.00				
Bracing/Struts/Sheathing				8	8	
Nose Plate				X	X	
Paint/Coating				7	7	
Galvanized at piles. Pigmented at caps.						
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		N	N	Ice.
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		8	8	
Bank Stability		3	5	Steep cut U/S and D/S- Repaired @ bridge.
HWM (m below Top of Curb)	1.4			(From 2010 floods)
Drift (Y/N)	No			
Slope Protection		3	8	New class 1 Rip Rap.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>3</b>	<b>5</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>63.4/66.2</b>	Est. Repl. Yr	2050	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	08-Nov-2013		Previous Inspection Date	13-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							