

Bridge Inspection									
Bridge File Number	02218 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1977/1977				Lot No.	1			
Bridge or Town Name	JOFFRE				Inspector Name	Owen Salava			
Located Over	JONES CREEK, 3.71, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	815:02 C1 2.769				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Jul-2012			
Legal Land Location	SW SEC 33 TWP 38 RGE 25 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:31:43, 52:18:25				Data Entry Date	01-Aug-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA19				Review Date	30-Jul-2012			
Clear Roadway/Skew	11.3 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	1,380 / 2011 (A)				Dept. Review Date	02-Aug-2012			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	6								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	HS25						----> 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	Mounted off bridge.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone	30 m West of c/l.				Gas				
Power	3 wires 20m East of c/l.				Municipal				
Others	Water well 20m West.				Problem (Y/N)	No			
Remarks	Unable to locate water well on Jan. 10/02.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	Residential entrance 200m North. Hill North and South. Good sight distance.					
Vertical Alignment		8	8						
Roadway Width (m)	10.200								
Approach Bump			6	6	Break at SW corner.				
Guardrail (Y/N)	Yes								
Guardrail			8	8					
Length (m)	33.000								
Current Standard (Y/N)	No		Not thrie beam.						
Termination Type	Turn Down								
Drainage			5	5	Drain through ACP cracks.				
<b>Approach Road General Rating</b>				<b>8</b>	<b>8</b>				

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : VS, 3 Spans, Lengths(m): 6.1-10.7-6.1, A-Ident Number: )						
<b>Special Features</b>						
Special Feature					X	
(Type : )						
Special Feature					X	
(Type : )						
<b>Wearing Surface/Deck Top Detail Ratings</b>						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>						
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface				5	5	Longitudinal cracks forming at South end. Transverse cracks over piers and abutments. No grout key.
(Material Type : <b>ACP</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)	No					
Deck Top				N	N	ACP covered.
Deck Rideability				7	7	
Deck Joints				N	N	
Bump (Y/N)	No					
Deck Drainage				4	4	(Water pooling East side to white line - photo. 21/Mar/2006) This precast has no drains.
Drains Clogged (Y/N)						
Curbs/Median				6	5	Spall at curb ends W side over South pier & E side over N pier, rebar exposed - photo. Sealer peeling off outside face.
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)	1					
Bridge Rail				7	7	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts				7	7	
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating				7	7	
(Type : <b>GALVANIZED</b> )						
Sidewalk				X	X	
<b>Girder Detail Ratings</b>						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>			1	1		
<b>Now</b>	0	0	2	0		
Girders				2	2	Diagonal US crack on girder underside greater than 500mm. Typical diagonal crack S3, W curb, S end, 300mm long. S2G1, 10 stained diag. cracks 690, 600mm long at P2, curb girders. S3G1 spall at bearing with stirrup exposed. Lift hook pockets not grouted SE & NE corners.
Last Complete Inspection Date	13-Jul-2012					
Cracking (Y/N)	Yes					
Spalling (Percent Area)	0					
Lift or Connector Pocket Grouted (Y/N)	No					
(Number Of Girders : <b>30</b> )						
<b>Span Alignment Problems</b>						
Vertical (Y/N)	No					
Horizontal (Y/N)	No					
<b>Superstructure General Rating</b>				<b>2</b>	<b>2</b>	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>Abutments</b>						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 3:3)				Timber subcaps.		
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 : STEEL)						
(Depth(mm) : 375)						
(Width(mm) : 350)						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.40				
Wingwalls				7	7	
(Total Number of Bearing Piles : 11:11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Piles				6	6	
Paint/Coating				X	4	
Abutment Stability				8	8	
Scour/Erosion				8	8	
<b>Piers/Bents</b>						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3:3)						
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 : STEEL)						
(Depth(mm) : 350)						
(Width(mm) : 375)						
(Total Number of Bearing Piles : 11:11)				Capitals bolted, not grouted.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Pier Shaft/Piles				6	6	
Greatest Height (m)		1.90				
Bracing/Struts/Sheathing				4	4	
Nose Plate				X	X	
Paint/Coating				X	4	
(Colour Description : )						
(Colour Code : )						
Pier Stability				7	X	
Steel caps with surface rust.						
Steel caps with surface rust.						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	Yes			Old piles in streambed, under S1/3.
<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>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</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	2012	Grout lift hook pockets SE & NE, 0.05m3 NH.					
OTHER ACTION	2012	Patch spalling curb over SW & NE, 0.1m3 OH-V.					
OTHER ACTION	2012	Repair girders.					
OTHER ACTION	2012	Seal ACP cracks @ abutments/pier.					
OTHER ACTION	2012	Replace 3 - 75 x 250 x 5m bracing planks.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>57.1/57.0</b>	Est. Repl. Yr	2029	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor girder cracks. Emailed LRA to Donald Saunders on 31Jul2012.		Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2005.01.21 Bridge in good condition. should be ok until 2027 with normal maintenance. Monitor 1 cracked girder.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava	Previous Assistant's Name					
Next Inspection Date	13-Oct-2015	Previous Inspection Date	04-Sep-2009				
Inspection Cycle (Default) (months)	39						

Comment	
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