

Bridge Inspection							
Bridge File Number	00370 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1993/1993			Lot No.	2		
Bridge or Town Name	CREMONA			Inspector Name	Owen Salava		
Located Over	DOGPOUND CREEK, 3.89.8, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	22:16 C1 41.792			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	22-Oct-2012		
Legal Land Location	NW SEC 2 TWP 29 RGE 4 W5M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-114:28:13, 51:27:13			Data Entry Date	15-Nov-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA28			Review Date	29-Oct-2012		
Clear Roadway/Skew	9.2 / 0 deg.			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	3,640 / 2011 (A)			Dept. Review Date	16-Nov-2012		
Road Classification	RAU-209-110			Follow-Up By			
Detour Length (km)	11						
Allowable Load (t):	Single		Semi		Train		----> 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	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)	No						
Remarks	Not required.						
Other Sign Types							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	West r/w.	Gas	
Power	2 wires East r/w & 1 wire 70m South.	Municipal	
Others	Fibre optics @ West r/w.	Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Long shallow sag curve.
Vertical Alignment		7	7	
Roadway Width (m)	9.200			Map cracks in both approach slabs.
Approach Bump		5	5	Approach ACP is 20mm higher than approach slab, typical both ends.
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	42.000			Not thrie beam.
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		4	4	(10mm deep ponding @ SE shoulder @ South approach. 00/02/29) Evidence ACP is higher than approach slab, will pond water.
<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): 9-12-9, 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 (%)	
<b>Last</b>	10	0	0	0	
<b>Now</b>	10.0	0.0	0.0	0.0	
Wearing Surface			5	5	Longitudinal cracks 0.5mm wide some following girder lines and some intermittant ones do not. Not a significant problem.
(Material Type : <b>CONCRETE</b> )					
(Thickness(mm) : <b>80</b> )					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			8	8	Type 3 joints at abutments.
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	Vertical crack every 500mm. Center span E curb appears to be stressed from water freezing in the curb void. Cracks @ most of E curbs.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		2			
Bridge Rail			3	3	Damaged @ SE. 500mm of top rail torn out & cap missing.
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )					
Bridge Rail Posts			4	4	Missing 1 cap bolt West side, 3rd post from North.
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			9	9	
(Type : <b>GALVANIZED</b> )					
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	Cracks in CIP bond line at fascias over piers. E fascia girder of N span @ N pier bears 25mm lower than E fascia girder of center span, built this way - not a problem.
Last Complete Inspection Date		22-Oct-2012			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>27</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> )				Massive concrete.				
(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) : )								
(Width(mm) : )								
Backwalls/Breastwalls			8	8				
Greatest Height (m)		1.00						
Wingwalls			9	9				
(Total Number of Bearing Piles : <b>0:0</b> )								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>	100	0	0	0				
<b>Now</b>	100	0	0	0				
Piles			N	N				
Paint/Coating			8	8				
Abutment Stability			9	9				
Scour/Erosion			N	7				
<b>Piers/Bents</b>								
(Type : <b>PIER-SOLID</b> )				Massive concrete.				
(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			5				5	
(Type : <b>CONCRETE</b> )								
(Depth(mm) : )								
(Width(mm) : )								
(Total Number of Bearing Piles : <b>0:0</b> )								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>	100	0	0	0				
<b>Now</b>	100	0	0	0				
Pier Shaft/Piles			6	6				
Greatest Height (m)		4.40						
Bracing/Struts/Sheathing			X	X				
Nose Plate			8	8				
Paint/Coating			5	5				
(Colour Description : )				Minor corrosion on nose plate.				
(Colour Code : )								

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		8	8	
Bank Stability		6	6	Adequate under bridge but high vertical cutbank @ SE bank, not affecting bridge - photo.
HWM (m below Top of Curb)	3.0			
Drift (Y/N)	Yes			Beaver dam across D/S channel approx 30m from bridge.
Slope Protection		7	7	New riprap @ NW.
(Type : <b>RIP RAP; CONCRETE; RIP RAP; CONCRETE</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	2013	Repair @ SE & 1 new cap, bolt.					
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	2013	Remove beaver dam D/S.					
OTHER ACTION	2013	Flood approach, improve drainage if ponding occurs.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>53.6/53.7</b>	Est. Repl. Yr	2055	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	22-Jul-2014	Previous Inspection Date	07-Feb-2011				
Inspection Cycle (Default) (months)	21						
Comment							