

Bridge Inspection										
Bridge File Number	00563 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1961/1961				Lot No.	4				
Bridge or Town Name	TORRINGTON				Inspector Name	Owen Salava				
Located Over	KNEEHILLS CREEK, 3.46, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	27:08 C1 27.283				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	24-Oct-2012				
Legal Land Location	SE SEC 4 TWP 33 RGE 26 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-113:37:48, 51:47:40				Data Entry Date	15-Nov-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA29				Review Date	29-Oct-2012				
Clear Roadway/Skew	11 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	1,320 / 2011 (A)				Dept. Review Date	16-Nov-2012				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	13									
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
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	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South & North r/w.				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		9	9	Crest curve to the W, limited sight distance; long gradual grade to the E.					
Vertical Alignment		6	6						
Roadway Width (m)	11.000								
Approach Bump			4	6	Not thrie beam.				
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	44.000								
Current Standard (Y/N)	No								
Termination Type	TURNDOWN								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>SCC, 3 Spans, Lengths(m): 10.4-12-10.4, 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>	20.0	0.0	0.0	0.0		
Wearing Surface			7	7	SFC overlay. Construction joint full length.	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>150</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top			7	N		
Deck Rideability			8	8		
Deck Joints			N	N	Buffer angles/ Koch oil	
Bump (Y/N)		Yes				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			N	6	Vertical cracks on outside fascia @ approx 1.0m spacing. (Typical). Has been caulked.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			8	8		
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			8	8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			8	8		
(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			8	8	Not visible.	
Last Complete Inspection Date		24-Oct-2012				
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
Lift or Connector Pocket Grouted (Y/N)						
(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>8</b>	<b>8</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				7	7	
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
Backwalls/Breastwalls				7	7	
Greatest Height (m)		1.10				
Wingwalls				7	7	
(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				6	6	
Abutment Stability				7	7	
Scour/Erosion				7	7	
<b>Piers/Bents</b>						
(Type : <b>PIER-SOLID</b> )						
New concrete caps on existing massive concrete pier.						
(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) : )						
(Total Number of Bearing Piles : <b>0:0</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				7	7	
Greatest Height (m)		4.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				7	7	
Paint/Coating				4	4	
Superficial corrosion on noseplate - no action. Colour=silver.						
(Colour Description : )						
(Colour Code : )						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		N	N	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>N</b> )				Curves @ D/S.
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		7	7	East bank erosion @ approx 100m D/S and will not affect bridge.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		8	8	Bagged concrete. Class I rock @ NE ditch / bank.
(Type : <b>CONCRETE; CONCRETE</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>83.3/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>70.1/70.1</b>	Est. Repl. Yr	2052	Maint. Req. (Y/N)	No
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	24-Jul-2014		Previous Inspection Date	21-Dec-2010			
Inspection Cycle (Default) (months)	21						
Comment							