

Bridge Inspection									
Bridge File Number	71690 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1995/1995				Lot No.	4			
Bridge or Town Name	RICHDALE				Inspector Name	Owen Salava			
Located Over	BERRY CREEK, 3.14, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	9:10 C1 19.485				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	03-Nov-2011			
Legal Land Location	NW SEC 25 TWP 30 RGE 12 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-111:34:29, 51:35:59				Data Entry Date	28-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA21				Review Date	14-Nov-2011			
Clear Roadway/Skew	12 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	1,980 / 2010 (A)				Dept. Review Date	02-Dec-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	64								
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	North r/w.				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>				
Horizontal Alignment			6	6	In horizontal curve, on superelevation @ bottom of sag curve.				
Vertical Alignment			6	6					
Roadway Width (m)	11.000				East approach settled resulting in slight bump.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				Creased but functional. Not thrie beam.				
Guardrail			5	5					
Length (m)	39.000								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			5	5					
<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): 12-12-12, 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 (%)	
<b>Last</b>					
<b>Now</b>	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	(0.3mm wide cracks in gutters @ 1m spacing. 0.3mm wide longitudinal cracks, 1 @ center of each lane. 1% deck surface medium scaling. Random micro cracking. 23/Mar/2007) Chipseal coat on concrete. (Cracking of 2007 under chipseal not visible.)
(Material Type : <b>CONVENTIONAL CHIP SEAL COAT</b> )					
(Thickness(mm) : )					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	Buffer angles mostly covered by chipseal coat.
Bump (Y/N)		No			
Deck Drainage			7	7	Deck drains on North gutter only.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	0.3mm wide transverse cracks @ 500mm to 1m spacing.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Dirty.
(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	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Girders			5	5	Vertical crack along CIP bondline above all piers. Capseal peeling @ 2% of South fascia. Longitudinal crack at both exterior faces, 0.1mm. 250-300mm from bottom.
Last Complete Inspection Date		03-Nov-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : <b>33</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>					
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				8	8
(Type : <b>CONCRETE</b> )					
(Depth(mm) : )					
(Width(mm) : )					
Backwalls/Breastwalls				N	N
Greatest Height (m)		1.00			
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				
<b>Now</b>	100	0	0	0	
Piles				N	N
Paint/Coating				6	6
Abutment Stability				8	8
Scour/Erosion				8	8
<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>					
<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>6:6</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>	0	0	0	0	
Pier Shaft/Piles				8	8
Greatest Height (m)		4.70			
Bracing/Struts/Sheathing				8	8
Nose Plate				X	X
Paint/Coating				7	7
(Colour Description : )					
(Colour Code : )					
Pier Stability				8	8
				Bird dung accummulation on bracing, will rust if not removed. Swallow nests under pier caps around each pile. Galvanized.	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	7	
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>N</b> )				Curves @ 10m U/S & D/S. Sheet pile drop structure 40m North of bridge.
(D/S Direction : <b>S</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		7	7	Class II @ East. Natural @ West.
(Type : <b>NATURAL; RIP RAP</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>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.4/65.4</b>	Est. Repl. Yr	2058	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	03-Aug-2013		Previous Inspection Date	12-Mar-2010			
Inspection Cycle (Default) (months)	21						
Comment							