

Bridge Inspection							
Bridge File Number	70338 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1971/1971			Lot No.	2		
Bridge or Town Name	CEREAL			Inspector Name	Jason Saly		
Located Over	TRIBUTARY TO SOUNDING CREEK, 4.4.12, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	886:06 C1 10.235			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	23-Nov-2010		
Legal Land Location	SW SEC 28 TWP 29 RGE 6 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-110:48:07, 51:30:28			Data Entry Date	07-Jan-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA22			Review Date	11-Dec-2010		
Clear Roadway/Skew	10.1 /			Dept. Reviewer Name	Chris Black		
AADT/Year	220 / 2009 (A)			Dept. Review Date	11-Jan-2011		
Road Classification	RCU-210-110			Follow-Up By			
Detour Length (km)	20						
Allowable Load (t):	Single	CS1 30 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 75 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> 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	
Other Sign Types	No

Utilities (Located at)			
Utility Attachments			
Telephone	W r/w.	Gas	
Power	1 wire 50m E of C/L.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	7	Field approach S 0.5 km.
Vertical Alignment		6	6	Grade increases to N.
Roadway Width (m)	8.000			
Approach Bump		6	6	(Oilbound, gap between S abut and approach. 29Jan2009).
Guardrail (Y/N)	Yes			
Guardrail		4	4	(Insufficient length/posts - missing bolts at NW turndown. 29Jan2010).
Length (m)	11.400			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN END			
Drainage		7	N	Snow covered.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	95.0	0.0	0.0	0.0	
Wearing Surface			X	5	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	N	
Deck Rideability			6	6	
Deck Joints			5	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	N	Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			3	N	(Grader damage SE corner. Hole in NE curb. NW lift pocket not grouted. 29Jan2009). Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	4	Installed wrong lapping E. Railing. Damage on W rail. Single layer
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			4	4	Several end dia spalls. Typical flexural cracking in all girders. Spall in A-z of 1 leg only - G2 north end. (NW curb lift pocket not grouted. 29Jan2009).
Last Complete Inspection Date		23-Nov-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	1 point rating bump - 1 leg only

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : N)				(Bridge widened Dec. 93. 01/02/27).					
(Extended Backwall Piles Spacing(mm) :)									
(Total Number of Caps/Corbels : 7:7)				sub-caps are 305 x 305					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	0	0	0				0		
Now	0	0	0				0		
Bearing Seats/Caps/Corbels							5	5	
(Type : TREATED TIMBER)									
(Depth(mm) : 356)									
(Width(mm) : 305)									
Backwalls/Breastwalls							6	5	
Greatest Height (m)		2.45							
Wingwalls				6	6				
(Total Number of Bearing Piles : 9:9)				Large check in P3 at the N abut.					
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last	0	0	0				0		
Now	0	0	0				0		
Piles							6	5	
Paint/Coating							X	X	
Abutment Stability							6	5	
Scour/Erosion							5	N	
Piers/Bents									
(Type :)									
(Total Number of Caps/Corbels :)									
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Bearing Seats/Caps/Corbels				X	X				
(Type :)									
(Depth(mm) :)									
(Width(mm) :)									
(Total Number of Bearing Piles :)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Pier Shaft/Piles				X	X				
Greatest Height (m)									
Bracing/Struts/Sheathing				5	5				
				7 -210x150 struts. Center struts are bearing on subcap rather than piles. No struts on ext. piles.					
Nose Plate				X	X				
Paint/Coating				X	X				
(Colour Description :)									
(Colour Code :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Undefined channel.
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	7	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		6	5	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace 1 section adn 3 bolts at TD, if not yet done.					
SEAL CURBS	2012	Patch hole 150 x 150, if not yet done.					
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 curb lift pockets, if not yet done.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	68.8/65.6	Est. Repl. Yr	2022	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Bridge was widened in fall of 1993.		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	23-Feb-2014		Previous Inspection Date	29-Jan-2009			
Inspection Cycle (Default) (months)	39						

Comment	
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