

Bridge Inspection										
Bridge File Number	08802 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1967/1967				Lot No.	2				
Bridge or Town Name	CORONATION				Inspector Name	Jason Saly				
Located Over	SOUNDING CREEK, 4.4, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	872:02 C1 8.492				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	09-Jun-2011				
Legal Land Location	SW SEC 24 TWP 33 RGE 11 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-111:26:46, 51:50:34				Data Entry Date	27-Jun-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA21				Review Date	17-Jun-2011				
Clear Roadway/Skew	8.2 /				Dept. Reviewer Name	Chris Black				
AADT/Year	110 / 2010 (A)				Dept. Review Date	30-Jun-2011				
Road Classification	RLU-209G-90				Follow-Up By					
Detour Length (km)	22									
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										
Hazard Marker At Bridge (Y/N)	Yes									
Remarks	Offline 250mm. SW loose and tied on W/wire, SE damaged.									
Other Sign Types										
Utilities (Located at)										
Utility Attachments										
Telephone	West r/w.				Gas	East r/w.				
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										
Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			7	7	East and West field entrances 30 m. Crest w/poor S GD 100M N.					
Vertical Alignment			6	6						
Roadway Width (m)	9.000									
Approach Bump			7	7						
Guardrail (Y/N)	Yes				One broken TT post along NE guardrail. Slight damage on NW - turndown end.					
Guardrail			3	3						
Length (m)	16.200				Not attached to bridge, too low, offline from NW curb & lacks intermediate posts.					
Current Standard (Y/N)	No									
Termination Type	TURNDOWN									
Drainage			4	4	Hole and 30mm crack @ SW. Water can drain directly to cap.					
Approach Road General Rating			3	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	0.0	0.0	0.0	0.0	
Wearing Surface			4	4	Cold mix. Asphalt along gutters deteriorated. Lost asphalt at SE corner.
(Material Type : MIX TYPE 1 ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	cold mix covered
Deck Rideability			4	4	Due to wheel traps along gutters.
Deck Joints			X	X	
Bump (Y/N)		No			
Deck Drainage			4	4	Wide crack and hole @ S abut.
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	Small spalls on West curb. Lift pockets not grouted on curb.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	
(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)	Could not inspect underside due to water levels in river.
Last	0	0	0	1	
Now	10	0	0	1	
Girders			3	3	(Cracking at most drift pins. 20Sep2008). (G2 wide long. cracking in AZ w/med cracking in other leg in AZ. 20Sep2008). (3 other girders w/wide long. cracking in one leg in AZ. 20Sep2008). Rating carried forward based on previous inspector's comments. Minor chipping at girder top at SE corner. Lift pockets open on curbs.
Last Complete Inspection Date		20-Sep-2008			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	GR carried forward from 20Sep2008.

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)				Abuts viewed from corners of bridge.			
(Extended Backwall Piles Spacing(mm) : 1600)							
(Total Number of Caps/Corbels : 1:1)				Caps recently cored.			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last	0	0	0			0	
Now	2	0	0			0	
Bearing Seats/Caps/Corbels						6	N
(Type : TREATED TIMBER)							
(Depth(mm) : 350)							
(Width(mm) : 300)							
Backwalls/Breastwalls			5			5	Gap at SW corner btwn girders & backwall.
Greatest Height (m)		3.60					
Wingwalls			6	6			
(Total Number of Bearing Piles : 7:7)				(A1P2 sounds hollow @ ground level, also A1P6-7. 20Sep2008). Piles bowing from backwall pressure. Piles recently cored. Rating maintain based on previous comments.			
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last	0	0	0			0	
Now	0	0	0			0	
Piles						4	4
Paint/Coating						X	X
Abutment Stability						5	5
Scour/Erosion						7	7
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			6	6			
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		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : RIP RAP; RIP RAP)				
Water from backwall to backwall, could not confirm riprap.				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

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	2011	Grout lift pockets.								
OTHER ACTION	2011	Replace 1 TT guardrail post at NE.								
OTHER ACTION	2011	Extend cold mix to curb 1.0 tonne.								
OTHER ACTION	2015	Upgrade guardrail to std. and attach to bridge rail.								
OTHER ACTION										
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OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	53.0/60.9	Est. Repl. Yr	2020	Maint. Req'd. (Y/N)	Yes			
Special Comments for Next Inspection	Est. repl. yr. depends on coring results of piles. If rot, put back to 2014.		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	Cameron Baron	Previous Assistant's Name								
Next Inspection Date	09-Sep-2014	Previous Inspection Date	20-Sep-2008							
Inspection Cycle (Default) (months)	39									

Comment	
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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	2011	Grout lift pockets.	defer until on site next.			
OTHER ACTION	2011	Replace 1 TT guardrail post at NE.				
OTHER ACTION	2011	Extend cold mix to curb 1.0 tonne.				
OTHER ACTION	2015	Upgrade guardrail to std. and attach to bridge rail.				
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						

Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	53.0/60.9	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes
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Special Comments for Next Inspection	Est. repl. yr. depends on coring results of piles. If rot, put back to 2014.	Department Comments	Coring results 2011: Caps and piles were cored and all good. No action required. BVBS Currently programmed in PMA for replacement in 2022.DA
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Maintenance Reviewed By	Darron Ahlstedt	Date	28-May-2012	Estimated Total	0
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Proposed Long-Term Strategy	
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On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Cameron Baron	Previous Assistant's Name	
Next Inspection Date	09-Sep-2014	Previous Inspection Date	20-Sep-2008
Inspection Cycle (Default) (months)	39		
Comment			