

Bridge Inspection							
Bridge File Number	01855 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1960/1960			Lot No.	1		
Bridge or Town Name	STETTLER			Inspector Name	Owen Salava		
Located Over	REDWILLOW CREEK, 5.31.1, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	850:04 C1 9.645			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	14-Aug-2012		
Legal Land Location	NW SEC 32 TWP 39 RGE 18 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-112:34:19, 52:23:53			Data Entry Date	17-Sep-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA20			Review Date	04-Sep-2012		
Clear Roadway/Skew	8.2 / -15 deg. (LHF)			Dept. Reviewer Name	Andrew Smikles		
AADT/Year	100 / 2011 (A)			Dept. Review Date	18-Oct-2012		
Road Classification	RLU-208G-90			Follow-Up By			
Detour Length (km)	6						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 62 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			4 corners.					
Other Sign Types								

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w. Phone crossing 100m South.		Gas
Power	5 wires 20m East of c/l.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Approach 30m North, West side. Hill to North, poor sight distance.
Vertical Alignment		6	6	
Roadway Width (m)	8.200			2 damaged posts SE - photo. Incorrect lap NE. Insufficient length, posts.
Approach Bump		5	5	
Guardrail (Y/N)	Yes			
Guardrail		4	6	
Length (m)	11.000			
Current Standard (Y/N)	No			
Termination Type	Turned down			
Drainage		5	5	Gravel & grass windrows built up along approach rail, all corners.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PG, 2 Spans, Lengths(m): 6.1-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Gravel covered.
Last	40				
Now	40.0	0.0	0.0	0.0	
Wearing Surface			X	X	No connectors.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			5	5	Lift pockets need to be filled - photo. Minor spalls from gravel on edges.
Deck Rideability			6	6	
Deck Joints			4	4	Some buffer angles missing.
Bump (Y/N)		No			
Deck Drainage			5	5	Gravel along curbs upto 150mm deep.
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			5	5	Single layer. Rail damaged East side, minor.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			5	5	SP1 West curb, post 4 has bent base plate, appears functional - photo.
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	20% corrosion to posts.
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			5	5	4 girders with wide longit. cracks in both legs in AZ. S2G8 narrow shear cracks. S1G1 spalled outside AZ 1/2 length, 1 leg.
Last Complete Inspection Date		14-Aug-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		No			
(Number Of Girders : 20)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure							
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
(Extended Backwall Piles (Y/N) : Y)				No file tags.			
(Extended Backwall Piles Spacing(mm) : 1500)							
(Total Number of Caps/Corbels : 3:3)				Keeper angles. Previously cored.			
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)			3 (count)	
Last							
Now	0	0	0			0	
Bearing Seats/Caps/Corbels						7	7
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 300)							
Backwalls/Breastwalls						7	7
Greatest Height (m)		2.00					
Wingwalls				7	7		
(Total Number of Bearing Piles : 7:7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Piles				6	6		
Paint/Coating				X	X		
Abutment Stability				6	6		
Scour/Erosion				7	7		
Piers/Bents							
(Type : PIER-COLUMN)							
(Total Number of Caps/Corbels : 3)							
Bearing Seats/Caps/Corbels Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Bearing Seats/Caps/Corbels				7	7		
(Type : TREATED TIMBER)							
(Depth(mm) : 300)							
(Width(mm) : 350)							
(Total Number of Bearing Piles : 7)							
Piles Detail Ratings							
	N (count)	1 (count)	2 (count)	3 (count)			
Last							
Now	0	0	0	0			
Pier Shaft/Piles				5	5		
Greatest Height (m)		2.80					
Bracing/Struts/Sheathing				5	5		
Nose Plate				X	X		
Paint/Coating				X	X		
(Colour Description :)							
(Colour Code :)							
Pier Stability				6	6		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		6	6	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		6	6	
HWM (m below Top of Curb)	2.3			Grass in braces.
Drift (Y/N)	No			
Slope Protection		7	7	Class 1/2.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	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	2012	Piles, due to age.							
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2012	Grout lift pockets.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	67.5/67.5	Est. Repl. Yr	2018	Maint. Req. (Y/N)	Yes		
Special Comments for Next Inspection	Caps replaced in 1997. Monitor cracks.		Department Comments						
Maintenance Reviewed By	Date		Estimated Total	0					
Proposed Long-Term Strategy	2003.08.18 Assess in 2010. Replace in 2015.								
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava	Previous Assistant's Name							
Next Inspection Date	14-Nov-2015	Previous Inspection Date	02-Sep-2009						
Inspection Cycle (Default) (months)	39								
Comment									

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	2012	Piles, due to age.	5 H-pile repairs programmed	2012		
REPAIR/REPLACE TIMBER CAPS						
REPAIR ABUTMENT SCOUR/EROSION						
PLACE ADDITIONAL RIP RAP						
REMOVE DRIFT ACCUMULATION						
INSTALL STRUTS						
OTHER ACTION	2012	Grout lift pockets.	Programmed	2012		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	67.5/67.5	Est. Repl. Yr	2018	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection	Caps replaced in 1997. Monitor cracks.		Department Comments	Cored in 2010 by BVBS. Problem rott areas were Piles 3,4,5 and 7 from the West on the Pier, and West end pile on North abutment. Repairs programmed for 2012. AS		
Maintenance Reviewed By	Andrew Smikles		Date	19-Nov-2012	Estimated Total	0
Proposed Long-Term Strategy	2003.08.18 Assess in 2010. Replace in 2015.					
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Owen Salava		Previous Assistant's Name			
Next Inspection Date	14-Nov-2015		Previous Inspection Date	02-Sep-2009		
Inspection Cycle (Default) (months)	39					

Comment	
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