

Bridge Inspection							
Bridge File Number	07491 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1966/1966			Lot No.	2		
Bridge or Town Name	FALUN			Inspector Name	Owen Salava		
Located Over	FALUN CREEK, 5.47.4.5, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	795:06 C1 0.684			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	08-Feb-2013		
Legal Land Location	SW SEC 13 TWP 46 RGE 27 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-113:48:04, 52:57:57			Data Entry Date	18-Mar-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA17			Review Date	13-Feb-2013		
Clear Roadway/Skew	8.2 / 15 deg. (RHF)			Dept. Reviewer Name	Chris Black		
AADT/Year	920 / 2011 (A)			Dept. Review Date	28-Mar-2013		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	37						
Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 65 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	Installed on wingwall 1m from face of curb. South too low, North too high.							
Other Sign Types								

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Major intersection to Hwy 13, 300m South.
Vertical Alignment		8	8	
Roadway Width (m)	8.400			Insufficient length & posts. Not thrie beam.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		6	6	
Length (m)	8.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		8	8	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 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 (%)	
Last	10				
Now	5.0	0.0	0.0	0.0	
Wearing Surface			5	5	(5 longitudinal cracks in asphalt between girders. 04Mar2010) - Chipseal covered.
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Severe scaling E curb face, exposing rebar.
(Curb Type : Standard)					
Scaling (Percent Area)		20			
Bridge Rail			6	6	Single layer.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			6	6	Posts have paint with 60% rusting/pitting and rate 4.
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			6	6	Wide longitudinal crack in G10 one leg outside AZ.
Last Complete Inspection Date		08-Feb-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 10)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			5	5	
Greatest Height (m)		1.90			
Wingwalls			5	5	(SE wing pile damaged/rotted - photo. 04Mar2010) - Unabled confirm pile due to snow.
(Total Number of Bearing Piles : 6:7)					
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	Timber bearing piles are not anchored.
Scour/Erosion			6	6	Estimate 0.4m scour hole under bridge.
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			X	X	
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		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Flow follows ditch SW and turns 90 degree into bridge - no action.
(D/S Direction : E)				
Alignment		4	4	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations										
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #				
REPAIR/REPLACE BRIDGE RAIL	2013	Paint or recondition the posts.								
SEAL CURBS	2013	Patch scaled curb 0.2m3 OH-V.								
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	2013	Reinstall hazard marker to meet standard.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	65.9/60.7	Est. Repl. Yr	2021	Maint. Req. (Y/N)	Yes			
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	08-May-2016	Previous Inspection Date	04-Mar-2010							
Inspection Cycle (Default) (months)	39									
Comment										

Maintenance Recommendations

Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Paint or recondition the posts.	Defer to replacement	2023			
SEAL CURBS	2013	Patch scaled curb 0.2m3 OH-V.	Defer to replacement	2023			
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	2013	Reinstall hazard marker to meet standard.	Sent to Operations				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	65.9/60.7	Est. Repl. Yr	2021	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments	Bridge Replacement Funding Programmed for 2023			
Maintenance Reviewed By	Chris Black		Date	30-Apr-2013	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	08-May-2016		Previous Inspection Date	04-Mar-2010			
Inspection Cycle (Default) (months)	39						

Comment	
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