

Bridge Inspection							
Bridge File Number	07708 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1964/1964			Lot No.	3		
Bridge or Town Name	SUNNYNOOK			Inspector Name	Jason Saly		
Located Over	BULLPOUND CREEK, 3.17, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	570:01 C1 46.624			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	27-Nov-2010		
Legal Land Location	SE SEC 1 TWP 27 RGE 14 W4M			Data Entry By	Marcia Chavez		
Longitude, Latitude	-111:50:40, 51:16:14			Data Entry Date	06-Jan-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	John O'Brien		
Contract Main. Area	CMA21			Review Date	11-Dec-2010		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name	Chris Black		
AADT/Year	430 / 2009 (A)			Dept. Review Date	11-Jan-2011		
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	5						
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	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)	Yes							
Remarks								
Other Sign Types								

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	South ditch.	Gas	
Power	NW corner.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Approach 14m W on S side. Sag curve - no passing.
Vertical Alignment		5	5	
Roadway Width (m)	10.500			Not enough posts
Approach Bump		8	7	
Guardrail (Y/N)	Yes			
Guardrail		7	7	
Length (m)	12.000			
Current Standard (Y/N)	No			
Termination Type	TURN DOWN END			
Drainage		7	N	Snow covered.
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-8.5-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered.
Last	0	0	0	0	
Now	10.0	0.0	0.0	0.0	
Wearing Surface			8	7	Trans. cracks over piers.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			N	N	ACP covered
Bump (Y/N)		No			
Deck Drainage			7	N	Snow covered.
Drains Clogged (Y/N)		No			
Curbs/Median			7	N	Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			6	6	(3 A/B at different posts with insufficient thread. 10Feb2009).
(Type : FLEX BEAM)					
Bridge Rail Posts			4	N	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type :)					
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			5	5	Broken section of girder leg at Sp2 - G2 minor and from construction Minor chips at others
Last Complete Inspection Date		27-Nov-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		2			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 33)					
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) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 7:7)				7 T.T. caps with 1 steel crown each abut.	
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				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 305)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.45			
Wingwalls			4	N	(Minor damage to tin tops at NW and SE. 10Feb2009). Mostly snow covered.
(Total Number of Bearing Piles : 8:8)				Mostly buried.	
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				6	6
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	6
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 7:6)				6 T.T. caps with 1 steel crown at P2 7 T.T. caps with 1 steel crown at P1	
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				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 305)					
(Width(mm) : 356)					
(Total Number of Bearing Piles : 8:8)				8 piles/pier.	
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		2.90			
Bracing/Struts/Sheathing				6	5
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
Scour		6	N	Snow/ice.
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				Unknown
(D/S Direction :)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(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	Replace 2 tin tops, if not yet done.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	65.0/63.6	Est. Repl. Yr	2024	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy	2005.03.08 Bridge should be good until 2020.						
On 3-Year Program (Y/N)	Y						
Proposed Action	2005.03.08 Consultant to review need to repair connector pockets as required and place a max of 50mm ACP in conjunction with proposed overlay project in 2008.						
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	27-Feb-2014		Previous Inspection Date	10-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							