

Bridge Inspection											
Bridge File Number	07583 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1962/1962				Lot No.	2					
Bridge or Town Name	FINNEGAN				Inspector Name	Tom Carey					
Located Over	SPRING CK, 3.19, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	862:04 C1 31.143				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	09-Feb-2010					
Legal Land Location	SW SEC 18 TWP 25 RGE 15 W4M				Data Entry By	Erin Roberts					
Longitude, Latitude	-112:05:35, 51:07:32				Data Entry Date	08-Mar-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA23				Review Date	24-Feb-2010					
Clear Roadway/Skew	7.3 /				Dept. Reviewer Name	Lorenz Bohnert					
AADT/Year	110 / 2008 (A)				Dept. Review Date	09-Mar-2010					
Road Classification	RCU-208-110				Follow-Up By						
Detour Length (km)	30										
Allowable Load (t):	Single	CS1 28 GIRDER			Semi	CS2 49 GIRDER			Train	CS3 67 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 Req.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	Conduit on the south side of the bridge				Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			4	4	Straight to the east,curve to the west VERTICAL CURVE (CREST) TO THE WEST				
Vertical Alignment			4	4					
Roadway Width (m)			7.100						
Approach Bump			7	7					
Guardrail (Y/N)			Yes		Not Thriebeam				
Guardrail			X	X					
Length (m)			12.000						
Current Standard (Y/N)			No						
Termination Type			Turned Down						
Drainage			6	7					
<b>Approach Road General Rating</b>			<b>4</b>	<b>4</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HH, 3 Spans, Lengths(m): 8.5-8.5-8.5, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			X	Tree's overhang bridge at North and South sides	
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	80.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type : )					
(Thickness (mm) : )					
Lateral Connection Problem (Y/N)		No			
Deck Top			3	N	(some large spalls in the deck top) Snow
Deck Rideability			6	6	
Deck Joints			4	N	(GIRDER ENDS AT PIERS ARE SPALLED IN VARIOUS LOCATIONS) Snow
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			4	5	SPALLING @ ENDS BETWN GIRDERS AT PIERS S.E. spalled- minor
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	2 Layer Posts painted Flex beam galvanized
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			6	6	
(Type : <b>POST STEEL;POST STEEL</b> )					
Bridge Rail/Posts Coating			6	5	
(Type : <b>PAINT</b> )					
Sidewalk			X	X	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Girders			4	4	(TOP SIDE EDGES ARE SPALLING) -Snow
Last Complete Inspection Date		09-Feb-2010		5 girders with spall or crack in AZ in one web Minor hairline shearcracks in some girders	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No		minor 25mm misalignment at P2	
Horizontal (Y/N)		Yes			
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing (mm) : 1400)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				7	7
(Type : TREATED TIMBER)					
(Depth (mm) : 300)					
(Width (mm) : 350)					
Backwalls/Breastwalls				7	7
Greatest Height (m)		1.40			
Wingwalls				7	7
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>	0	0	0	0	
Piles				6	6
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				5	5
<b>Piers/Bents</b>					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0		
<b>Now</b>	0	0	0	0	
Bearing Seats/Caps/Corbels				6	4
(Type : TREATED TIMBER)					
(Depth (mm) : 300)					
(Width (mm) : 350)					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>	0	0	0	0	
<b>Now</b>					
Pier Shaft/Piles				4	4
Greatest Height (m)		3.80			
Bracing/Struts/Sheathing				7	7
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	Iced and snow
Debris (Y/N)	Yes			
<b>Substructure General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				good vegetation growth Stream meanders HWM not visible
(D/S Direction : <b>N</b> )				
Alignment		4	4	
Bank Stability		6	6	
HWM (m below Top of Curb)				
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>4</b>	<b>4</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
REPAIR/SEAL CURBS							
PATCH DECK	2010	0.01m3 of grout- if not done					
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	2010	Cut back trees at bridge					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>51.6/51.4</b>	Est. Repl. Yr	2018	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	09-May-2013		Previous Inspection Date	30-Jan-2007			
Inspection Cycle (Default) (months)	39						
Comment							