

Bridge Inspection											
Bridge File Number	09345 -1 Bridge				Form Type	PSR					
Year Built/Year Supstr	1983/1983				Lot No.	3					
Bridge or Town Name	LONGVIEW				Inspector Name	Garry Roberts					
Located Over	SULLIVAN CREEK, 2.13.27.18, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	541:02 C1 28.411				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	12-Mar-2013					
Legal Land Location	SE SEC 19 TWP 18 RGE 3 W5M				Data Entry By	Lauren Korte					
Longitude, Latitude	-114:23:34, 50:31:50				Data Entry Date	06-Apr-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Ash Morjaria					
Contract Main. Area	CMA27				Review Date	20-Mar-2013					
Clear Roadway/Skew	10.7 / -30 deg. (LHF)				Dept. Reviewer Name	Tim Davies					
AADT/Year	510 / 2011 (A)				Dept. Review Date	08-Apr-2013					
Road Classification	RCU-211-110				Follow-Up By						
Detour Length (km)	30										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS300									----> 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									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	In West curb.				Gas				
Power	West ROW.				Municipal				
Others	Fiber optics in West ROW.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curve to the SW. Steep grade to East.				
Vertical Alignment			5	5					
Roadway Width (m)	11.500				2 split posts at NW- missing 4 splice bolts and 1/2 splice at NE and 2 missing at SE.  Not thrie beam.				
Approach Bump			3	7					
Guardrail (Y/N)	Yes								
Guardrail			4	4					
Length (m)	34.200								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN END								
Drainage			7	7					
<b>Approach Road General Rating</b>			<b>5</b>	<b>5</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : DBT, 2 Spans, Lengths(m): 34-42, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			X			
(Type : )						
Special Feature			X			
(Type : )						
<b>Wearing Surface/Deck Top Detail Ratings</b>						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			6	7	Narrow Key cracks @ NB & SB Lanes- all are epoxy sealed.	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)	Yes					
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			7	7	NW coverplate raised slightly OK-25mm.	
Temperature (deg. C)		-3				
(Expansion Type : <b>ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
(Fixed Type : <b>ARMOURED GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
Gap Size (mm)		Gap Location				
65		South				
105		North				
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			7	6	Cracks at fascias.	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		0				
Bridge Rail			4	4	Missing 1 rail splice bolt Sp 2 East rail. 20 A/B nuts with insufficient thread- 10/side.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			4	4		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			7	7		
(Type : <b>GALVANIZED</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		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : DBT, 2 Spans, Lengths(m): 34-42, A-Ident Number: )				
Girders		4	4	Connector key steel exposed @ 4 locations @ North abut-girders rate 7 other than these areas. Minor spalls at top flange of Sp.2. Construction spalls at bottom flanges of Sp 1-G1,G2 coated with flexolith.
Cracking (Y/N)	No			
Spalling (Percent Area)	1			
(Number Of Girders : 20)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	
Temperature (deg. C)	-3			
(Expansion Type : )				
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Some efflorescence at SW & at NE at underside of top flange of girders.
Stains (Percent Area)	2			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		X	N	Buried.
Paint/Coating		5	5	Minor peeling.
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		7	7	Pigmented sealer.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				
(D/S Direction : <b>E</b> )				
Alignment		6	6	
Bank Stability		8	7	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	Natural rock wall at North.
(Type : <b>RIP RAP; NATURAL</b> )				Class 2 at South.
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install 2- 6 x 8 x 5' post- 4 splice bolts. 1 rail splice bolt 3/4 x 2" galvanized.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>60.8/60.9</b>	Est. Repl. Yr	2045	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	12-Jun-2016		Previous Inspection Date	06-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							