

Bridge Inspection							
Bridge File Number	73976 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1965/1965			Lot No.	3		
Bridge or Town Name	LONGVIEW			Inspector Name	Garry Roberts		
Located Over	STIMSON CREEK, 2.13.27.11, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	532:02 C1 22.782			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	16-May-2010		
Legal Land Location	NW SEC 20 TWP 15 RGE 2 W5M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-114:15:10, 50:16:48			Data Entry Date	17-Aug-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Ash Morjaria		
Contract Main. Area	CMA27			Review Date	10-Jun-2010		
Clear Roadway/Skew	7.3 / -15 deg. (LHF)			Dept. Reviewer Name	Lorenz Bohnert		
AADT/Year	110 / 2009 (A)			Dept. Review Date	18-Aug-2010		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	50						
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	Also has markers at texas gate 60mW						
Other Sign Types							

Utilities (Located at)			
Utility Attachments	GAS UTILITIES-GAS LINE; TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE		
Telephone	Plowed in south ditch.		Gas 30m S
Power			Municipal
Others	Phone in conduit on S curb		Problem (Y/N) No
Remarks	PVC conduit att'd to steel posts on S curb		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	6	Curve 150m West. Texas gate 60m W
Vertical Alignment		7	7	
Roadway Width (m)	7.600			Gravel road
Approach Bump		5	5	
Guardrail (Y/N)	Yes			Minor damage to NE T.D. end
Guardrail Length (m)	12.200	7	5	Not thriebeam
Current Standard (Y/N)	No			
Termination Type	TURN DOWN ENDS			
Drainage		5	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			6	6	Moderate gravel abrasions
Deck Rideability			7	7	
Deck Joints			7	7	Buffer angles
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	MINOR SPALLED - NW CORNER SPALL ON W END, CENTRE SPAN, S CURB
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	6	Double layer flexbeam.
(Type : FLEX BEAM)					
Bridge Rail Posts			6	6	PAINT FLAKING-20% RUST ON POSTS
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0			10	
Now	0	0	0	11	
Girders			3	3	
Last Complete Inspection Date		16-May-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No		At W span, S curb W span misaligned by 40 mm. - no problems	
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1200)					
(Total Number of Caps/Corbels : 3:3)					
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				7	7
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.80			
Wingwalls			7	7	
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				5	6
Paint/Coating				X	X
Abutment Stability				7	7
Scour/Erosion				7	7
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 3:3)					
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				7	6
(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)	
Last	0	0	0	0	
Now	0	0	0	0	
Pier Shaft/Piles				5	5
Greatest Height (m)		2.55			
Bracing/Struts/Sheathing			6	6	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					

Piles split but all banded.

CHECKS IN ALL PILES ALL BANDED

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	6	
Scour		7	7	
Debris (Y/N)	No			Sp. 3 has large drift pile
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Flow to U/S follows road before turning 90 degrees in the bridge through several meanders.
(D/S Direction : N)				
Alignment		5	5	Beaver dams 10m and 70m U/S
Bank Stability		4	4	Cut banks at both U/S and D/S where undermining at elbows is expected.
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			Large drift pile under Sp. 1
Slope Protection		5	5	Some rock at top of headslopes
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(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							
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	2010	Under Sp.3					
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	57.2/57.0	Est. Repl. Yr	2020	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	16-Aug-2013		Previous Inspection Date	16-Jan-2007			
Inspection Cycle (Default) (months)	39						
Comment							