

Bridge Inspection							
Bridge File Number	73903 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1973/1973			Lot No.	1		
Bridge or Town Name	LONGVIEW			Inspector Name	Garry Roberts		
Located Over	TRAIL-ANIMAL, OVER SP			Inspector Class	BR CLS A		
Located On	22:10 C1 9.974			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	05-Jun-2012		
Legal Land Location	SE SEC 28 TWP 15 RGE 2 W5M			Data Entry By	Lauren Korte		
Longitude, Latitude	-114:13:02, 50:17:16			Data Entry Date	27-Jun-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA27			Review Date	18-Jun-2012		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	1,110 / 2011 (A)			Dept. Review Date	29-Jun-2012		
Road Classification	RAU-211.8-110			Follow-Up By			
Detour Length (km)	20						
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 Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)										
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	In Advance (Y/N)
Remarks	Not required.									
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)		No								
Remarks	Not required.									
Other Sign Types										

Utilities (Located at)				
Utility Attachments				
Telephone	Plowed in East ditch.		Gas	150 m.
Power			Municipal	
Others	Electric fence South abutment.		Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Field access at all four corners hill to South.
Vertical Alignment		6	6	
Roadway Width (m)	11.000			Not thriebeam.
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	7.600			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		6	6	
Approach Road General Rating		6	6	

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 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			6	6	Cracks between some girders.
(Material Type : ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Covered by ACP.
Bump (Y/N)		No			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			4	4	Minor spall at Sp 2 West. Minor spall at SE corner of Sp1.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Single layer flexbeam. 1 A/B nut not fully tightened at NW.
(Type : FLEX BEAM)					
Bridge Rail Posts			4	4	
(Type : 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	10	
Now	0	0	0	10	
Girders			3	3	10 of 39 girders have wide cracks in AZ. Both legs unsound concrete. 4 girders in the center span have hairline shear cracks. Plywood patching materials still under some girders. Staining at connectors.
Last Complete Inspection Date		05-Jun-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 39)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			3	3	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)		TT shim above cap at SE corner.				
(Extended Backwall Piles Spacing(mm) : 1600)						
(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		6	6			
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls		6	6	Breastwall added at South.		
Greatest Height (m)		1.50				
Wingwalls		7	7			
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	6	0	0	0		
Piles		6	6	One wide split at abutment at NE - only 300mm out of fill.		
Paint/Coating		X	X			
Abutment Stability		7	7			
Scour/Erosion		7	7			
Piers/Bents						
(Type : PIER-COLUMN)		Bolts connecting caps to subcaps - nuts have backed off @ North pier.				
(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		6	6	350 x 300 subcaps.		
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 10:10)						
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	All piles with cracks are banded. Pile at South pier - not bearing fully under cap (40mm) West pile.		
Greatest Height (m)		3.60				
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		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		X	X	
Type				
Slope Protection		5	5	Minor erosion at SW & NE corners.
(Type : NATURAL; NATURAL)				
Bank Stability		7	7	
Drainage		5	5	
Grade Separation General Rating		5	5	

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	2012	Caps and piles.					
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	47.3/47.7	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	05-Mar-2014		Previous Inspection Date	08-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							