

Bridge Inspection							
Bridge File Number	01973 -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 12.339			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	17-Jun-2012		
Legal Land Location	NW SEC 33 TWP 15 RGE 2 W5M			Data Entry By	Erin Roberts		
Longitude, Latitude	-114:13:41, 50:18:27			Data Entry Date	16-Jul-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Joel Wozney		
Contract Main. Area	CMA27			Review Date	26-Jun-2012		
Clear Roadway/Skew	11 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	1,140 / 2011 (A)			Dept. Review Date	17-Jul-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)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
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. 2 small orange markers @ NW & SE corners.										
Other Sign Types												

Utilities (Located at)				
Utility Attachments				
Telephone	West ditch.		Gas	Runs under bridge.
Power			Municipal	
Others			Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Curve at North end. Sag in road to South.
Vertical Alignment		6	6	
Roadway Width (m)	11.000			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			Type VI NW corner.
Guardrail		7	7	Not thriebeam
Length (m)	30.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	7	
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	No keys but cracks between girders, sealed. Losing material next to East curb in 2 places, worst shown in photo.	
(Material Type : ACP)						
(Thickness(mm) : 80)						
Lateral Connection Problem (Y/N)		No				
Deck Top			N	N	ACP covered.	
Deck Rideability			7	7		
Deck Joints			N	N	Crack in asphalt over abutments & piers. sealed	
Bump (Y/N)		No				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			6	6	Minor spalls at corners.	
(Curb Type : Standard)						
Scaling (Percent Area)		5				
Bridge Rail			7	7	Single layer.	
(Type : GALVANIZED STEEL FLEX BEAM)						
Bridge Rail Posts			7	7		
(Type :)						
Bridge Rail/Posts Coating			5	5		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	8		
Now	0	0	0	8		
Girders			3	3	SP2, 3, 4, 6, 7 & 8 with hairline shear cracks. Wide cracks in AZ with unsound concrete at Sp1 G5, G7 and Sp2 G6, G7 ans Sp3 G4, G6, G7, G8	
Last Complete Inspection Date		17-Jun-2012				
Cracking (Y/N)		Yes				
Spalling (Percent Area)		1				
Lift or Connector Pocket Grouted (Y/N)		Yes				
(Number Of Girders : 39)						
Span Alignment Problems						
Vertical (Y/N)		Yes		West end North pier 15mm low. Cap rotated 12mm. Center span bears 150mm @ North pier. Minor vertical misalignment.		
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				6	6
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			5	5	Top planks rotted & split at exterior. Some cracking, minor at ends.
Greatest Height (m)		1.50		Retaining fill adequate @ wingwalls	
Wingwalls			5	5	Top plank broke at SE wing but still functional
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				5	5
Paint/Coating				X	X
Abutment Stability			6	6	
Scour/Erosion			5	5	Water from SW erodes South headslope - minor.
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				5	5
(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
Greatest Height (m)		6.00		Cap split on end @ North pier, West end. Sounded for rot- sounds good.	
Bracing/Struts/Sheathing					
			6	6	North pier cap rotated 12mm @ West.
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					
16 piles have large checks, all banded. SE pile checked. 120mm deep x 15mm wide for entire length.					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
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		6	6	
(Type : NATURAL; NATURAL)				
Bank Stability		6	6	
Drainage		6	6	
Grade Separation General Rating		6	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	2012	Core 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) (%)	48.2/48.8	Est. Repl. Yr	2020	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	No action at present for girders rated 3. G. Roberts Oct 8/10		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	17-Mar-2014		Previous Inspection Date	08-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							