

Bridge Inspection							
Bridge File Number	76160 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1969/1969			Lot No.	1		
Bridge or Town Name	LETHBRIDGE			Inspector Name	Garry Roberts		
Located Over	TRAIL-ANIMAL, OVER SP			Inspector Class	BR CLS A		
Located On	5:06 C1 21.492			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	15-Sep-2011		
Legal Land Location	SW SEC 27 TWP 7 RGE 21 W4M			Data Entry By	Alyssa Boynton		
Longitude, Latitude	-112:46:32, 49:35:13			Data Entry Date	25-Oct-2011		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Ash Morjaria		
Contract Main. Area	CMA25			Review Date	08-Oct-2011		
Clear Roadway/Skew	13.8 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	4,740 / 2010 (A)			Dept. Review Date	28-Oct-2011		
Road Classification	RAU-213-130			Follow-Up By			
Detour Length (km)	5						
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 req.												
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	
Other Sign Types	

Utilities (Located at)			
Utility Attachments			
Telephone	West ditch	Gas	20 m south
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	On curve. Superelevated,
Vertical Alignment		8	7	
Roadway Width (m)	13.800			GUARDRAIL DOWN SIDES OF ROADWAY OVER BRIDGE - 2 m IN FROM EACH CURB. Guardrail has minor damage through out. Not thriebeam.
Approach Bump		7	6	
Guardrail (Y/N)	Yes			
Guardrail		5	5	
Length (m)	34.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN			
Drainage		7	5	
Approach Road General Rating		7	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : HC, 1 Spans, Lengths(m): 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			7	6	CRACK IN ACP @ SOUTH ABUT. Structure is wider than highway.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over
Bump (Y/N)		No			
Deck Drainage			6	6	Superelevated.
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	2 m outside of guardrail.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	No posts on curb, replaced with modified posts that are bolted to the deck. Additional anchors fastened to interior girders, 3 per side
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : TREATED TIMBER;TREATED TIMBER)					
Bridge Rail/Posts Coating			7	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	4	
Now	0	0	0	4	
Girders			3	3	G3,G3,G18,G19 all with wide cracks in AZ of both legs.
Last Complete Inspection Date		15-Sep-2011			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 20)					
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) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(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	5
(Type : TREATED TIMBER)					
(Depth(mm) : 356)					
(Width(mm) : 305)					
Backwalls/Breastwalls				6	6
Greatest Height (m)		3.30			
Wingwalls				5	5
(Total Number of Bearing Piles : 11:11)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				4	4
Paint/Coating				X	X
Abutment Stability				5	5
ABUTS LEAN BACK 100mm-SW IS WORST.					
Scour/Erosion				X	X
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels				X	X
(Type :)					
(Depth(mm) :)					
(Width(mm) :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing				X	X
Nose Plate				X	X
Paint/Coating				X	X
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		X	X	
Type				
Slope Protection (Type :)		X	X	
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		8	8	

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) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	51.2/49.8	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	15-Jun-2013		Previous Inspection Date	18-Oct-2009			
Inspection Cycle (Default) (months)	21						
Comment							