

Bridge Inspection											
Bridge File Number	75827 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1974/1974				Lot No.	2					
Bridge or Town Name	LINARIA				Inspector Name	Todd Warshawski					
Located Over	TRIBUTARY TO SHOAL CREEK, 8.11.84.12.2, WATERCRS-ST				Inspector Class	BR CLS B					
Located On	776:02 C1 18.305				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	27-May-2010					
Legal Land Location	SW SEC 6 TWP 62 RGE 1 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-114:09:07, 54:19:52				Data Entry Date	18-Jun-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA10				Review Date	03-Jun-2010					
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	270 / 2009 (A)				Dept. Review Date	21-Jun-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	6										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	HS25									----> 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)	No								
Remarks									
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9					
Vertical Alignment			9	9					
Roadway Width (m)	8.000				One section at SE creased but functional. Post spacing & length not to current standard.				
Approach Bump			6	6					
Guardrail (Y/N)	Yes								
Guardrail			5	5					
Length (m)	11.400								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			7	4	Windrow buildup at 3 corners.				
Approach Road General Rating			9	9					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : VH, 2 Spans, Lengths(m): 8.5-8.5, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface			7	6	Longitudinal cracks at girder lines.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	6	
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			4	4	Double layer. Not spliced as per standard dwg. Missing 4 bolts / splice - photo.-80 total.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	6	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	6	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	1	
Girders			4	3	Spall in AZ with rebar 50% exposed. S2-G5 wide cracks in AZ of S1-G5, G6 S2-G1, G4 Drift pin spalls on several girders.
Last Complete Inspection Date		27-May-2010			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 22)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	3	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(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)	PETRTAC ON CAPS.	
Last						
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 350)						
(Width(mm) : 300)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.20				
Wingwalls				6	6	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				6	6	
Paint/Coating				X	X	
Abutment Stability				7	6	
Scour/Erosion				7	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 3)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels				6	6	
(Type : TREATED TIMBER)						
(Depth(mm) : 300)						
(Width(mm) : 350)						
(Total Number of Bearing Piles : 11)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Some piles are banded, couple with wide checks. Wide spiral split in P6, not banded. Similar spiral split in P11, banded @ top only.	
Last						
Now						
Pier Shaft/Piles				4	4	
Greatest Height (m)		3.20				
Bracing/Struts/Sheathing				6	6	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description :)						
(Colour Code :)						
Pier Stability				8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	7	
Debris (Y/N)	Yes			Old piles
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install missing splice bolts (80). Repair lapping on rail.					
SEAL CURBS							
PATCH DECK	2010	Seal cracks in ACP					
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING	2010	Remove windrows					
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Treat/band split piles pier P6 & P11.					
OTHER ACTION	2010	Install hazard markers.					
OTHER ACTION	2010	Level 2 girder inspection.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/38.9	Sufficiency Rating (Last/Now) (%)	62.7/60.0	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	27-Aug-2013		Previous Inspection Date	28-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							