

Bridge Inspection															
Bridge File Number	82403 N-1 Bridge					Form Type	PSR								
Year Built/Year Supstr	2009/2009					Lot No.	3								
Bridge or Town Name	SCENIC ACRES LINK EASTBOUND;SCENIC ACRES LINK WESTBOUND					Inspector Name	Garry Roberts								
Located Over											Inspector Class	BR CLS A			
Located On						201:08 R1 4.736					Assistant Name				
Water Body Cl./Year						Assistant Class									
Navigabil. Cl./Year						Inspection Date	16-Aug-2011								
Legal Land Location	NW SEC 9 TWP 25 RGE 2 W5M					Data Entry By	Alyssa Boynton								
Longitude, Latitude	-114:13:49, 51:07:06					Data Entry Date	09-Sep-2011								
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey								
Contract Main. Area	DEERFOOT/STONE Y					Review Date	24-Aug-2011								
Clear Roadway/Skew	16.5 /					Dept. Reviewer Name	Tim Davies								
AADT/Year	32,110 / 2010 (A)					Dept. Review Date	16-Sep-2011								
Road Classification						Follow-Up By									
Detour Length (km)															
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62		----> On Critical Spans ---->Critical Member				
Design Loading:	CL800					----> Primary Span									

Posting Information												
Required Vert. Clearance Posting (m)	UNDER: SCENIC ACRES LINK WESTBOUND 5.6m, SCENIC ACRES LINK EASTBOUND 5.5m											
Posted Vertical Clearance (Y/N)	Yes											
Posted:	Lane	WB	On Bridge (m)	5.4	In Advance (Y/N)	No	Lane	EB	On Bridge (m)		In Advance (Y/N)	
Remarks	Not req. E/B- posted on S/B bridge											
Required Load Posting (t)	Single				Semi				Truck Train			
Posted Loading (t)	Single				Semi				Truck Train			
Posted:	Lane	WB	At Junction (Y/N)				In Advance (Y/N)				At Bridge (Y/N)	
Posted:	Lane	EB	At Junction (Y/N)				In Advance (Y/N)				At Bridge (Y/N)	
Remarks	Not req.											
Hazard Marker At Bridge (Y/N)	No											
Remarks	Not req.											
Other Sign Types												

Utilities (Located at)										
Utility Attachments										
Telephone	In area				Gas					
Power	In area and under deck				Municipal					
Others	Light standards and deck lighting				Problem (Y/N)		No			
Remarks										

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		7	7	1 loose bolt and 1 missing at SW. Thriebeam transition. 100+ m at south ends.	
Vertical Alignment		7	7		
Roadway Width (m)		17.000			
Approach Bump		8	7		
Guardrail (Y/N)		Yes			
Guardrail		3	3		
Length (m)		27.000			
Current Standard (Y/N)		Yes			
Termination Type		Attenuation end			
Drainage		8	8		
Approach Road General Rating		7	7		

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 1 Spans, Lengths(m): 42.001, 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			8	8	
(Material Type : ACP)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	Paved over.
Deck Rideability			9	8	
Deck Joints			9	8	
Temperature (deg. C)		23			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
25		Abut 2.- North			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			9	7	Minor spall at South West exterior. Concrete parapets.
(Curb Type :)					
Scaling (Percent Area)		0			
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			8	8	Sidewalk and galv. ped. rail at Abut. 1
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : 5)					
Diaphragms/Cross Frame			8	8	Galv. steel

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 1 Spans, Lengths(m): 42.001, A-Ident Number:)				
Bearings		9	8	
Temperature (deg. C)	23			
(Expansion Type : POT BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	8	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	8	Pidgen wire has gap at East end of North abutment.
Wingwalls		9	8	
Piles		N	N	Buried.
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		9	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	6	Controlled intersestions both ends.

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		8	8	
Type	Center median			
Slope Protection		8	8	
(Type : CONCRETE; CONCRETE)				
Bank Stability		9	8	
Drainage		8	8	
Grade Separation General Rating		8	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Install 3 missing bolts- tighten 1 bolt at South West approach rail to bridge parapet.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Patch pidgeon wire at North abutment.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	94.4/88.9	Sufficiency Rating (Last/Now) (%)	79.8/66.9	Est. Repl. Yr	2081	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	16-May-2013		Previous Inspection Date	19-Nov-2009			
Inspection Cycle (Default) (months)	21						
Comment							