

Bridge Inspection									
Bridge File Number	82020 -1 Bridge					Form Type	CON		
Year Built/Year Supstr	2003/2003					Lot No.	2		
Bridge or Town Name	SOUTHLAND DRIVE RAMP					Inspector Name	Garry Roberts		
Located Over	SOUTHLAND DRIVE COLLECTOR DISTRIBUTOR					Inspector Class	BR CLS A		
Located On	MUNICIPAL					Assistant Name			
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	24-Jan-2013		
Legal Land Location	NW SEC 23 TWP 23 RGE 1 W5M					Data Entry By	Lauren Korte		
Longitude, Latitude	-114:02:28, 50:58:34					Data Entry Date	17-Feb-2013		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey		
Contract Main. Area	DEERFOOT/STONE Y					Review Date	30-Jan-2013		
Clear Roadway/Skew	12.4 / 45 deg. (RHF)					Dept. Reviewer Name	Tim Davies		
AADT/Year	5,000 / 2007 (E)					Dept. Review Date	21-Feb-2013		
Road Classification	ULU-209-60					Follow-Up By			
Detour Length (km)	999								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> Primary Span		

Posting Information													
Required Vert. Clearance Posting (m)	UNDER: SOUTHLAND DRIVE COLLECTOR DISTRIBUTOR 5.5m												
Posted Vertical Clearance (Y/N)	Yes												
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.6	In Advance (Y/N)	No	
Remarks	SB traffic only.												
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)		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	Route, curve.												

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	Underground at SW.				Municipal					
Others	Light Standards.				Problem (Y/N)	No				
Remarks	Underside deck lighting.									

Approach Road									
				<b>Last</b>	<b>Now</b>	<b>Explanation of Condition</b>			
Horizontal Alignment				5	5	On super elevated curve.			
Vertical Alignment				5	5				
Roadway Width (m)	12.000								
Approach Bump				7	7				
Guardrail (Y/N)	Yes					Concrete parapets.			
Guardrail				8	8				
Length (m)	70.000								
Current Standard (Y/N)	Yes								
Termination Type	sloped								
Drainage				7	7				

Approach Road				
		Last	Now	Explanation of Condition
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>CT, 1 Spans, Lengths(m): 13.5, A-Ident Number: )</b>				
Special Features				
Special Feature			X	
(Type : )				
Special Feature			X	
(Type : )				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
<b>Last</b>	0	0	0	0
<b>Now</b>	10.0	0.0	0.0	0.0
Wearing Surface		4	4	Pothole @ North Lane @ west abut deck joint - 6 m long x 150 wide. Also 1m2 delam at NW deck. Rest of ACP Rates "7"
(Material Type : <b>ACP</b> ) (Thickness(mm) : <b>50</b> )				
Deck Top		N	N	
Deck Rideability		7	5	
Deck Joints		8	8	
Temperature (deg. C)		-3		
(Expansion Type : )				
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC))</b>				
Gap Size (mm)		Gap Location		
70	East abut			
85	West abut			
Deck Drainage		8	7	
Drains Clogged (Y/N)		No		
Curbs/Median		8	8	Pigmented sealer is peeling at both exteriors.
(Curb Type : <b>NEW JERSEY</b> ) Scaling (Percent Area)		0		
Bridge Rail		X	X	
(Type : )				
Bridge Rail Posts		X	X	
(Type : )				
Bridge Rail/Posts Coating		X	X	
(Type : )				
Sidewalk		X	X	
Girders		X	8	Voided slab.
Diaphragms/Cross Frame		X	X	
Bearings		8	8	
Temperature (deg. C)		-3		
(Expansion Type : <b>POT BEARING</b> ) (Fixed Type : )				
Coating Adequate (Y/N)		Yes		
Functioning (Y/N)		Yes		
Deck Underside		8	8	
Stains (Percent Area)		0		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 1 Spans, Lengths(m): 13.5, A-Ident Number: )				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		8	8	
Backwalls/Breastwalls		8	8	MSE walls.
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		5	5	Isolated peeling.
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(Type : )				
Bearing Seats/Caps		X	X	
(Type : )				
Pier Shaft/Piles		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			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	6	
Traffic Safety Features		7	7	
Type	parapets			
Slope Protection		8	8	Level area at top of MSE walls.
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Patch @ West abut deck joint approx 3m2.					
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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.6/69.9</b>	Est. Repl. Yr	2073	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	24-Oct-2014		Previous Inspection Date	20-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							