

Bridge Inspection													
Bridge File Number	78895 N-1 Bridge					Form Type	SG						
Year Built/Year Supstr	1980/1980					Lot No.	4						
Bridge or Town Name	CALGARY					Inspector Name	Garry Roberts						
Located Over	OGDEN ROAD;CNR;WATERCOURSE, WATERCRS-NI					Inspector Class	BR CLS A						
Located On	2:15 R1 28.026					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	23-Jan-2013						
Legal Land Location	SE SEC 1 TWP 24 RGE 1 W5M					Data Entry By	Lauren Korte						
Longitude, Latitude	-114:00:40, 51:00:36					Data Entry Date	11-Feb-2013						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey						
Contract Main. Area	DEERFOOT/STONEV					Review Date	29-Jan-2013						
Clear Roadway/Skew	28.6 /					Dept. Reviewer Name	Tim Davies						
AADT/Year	120,330 / 2011 (A)					Dept. Review Date	21-Feb-2013						
Road Classification	RFD-616.6-130					Follow-Up By							
Detour Length (km)	1												
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62			----> On Critical Spans ---->Critical Member
Design Loading:	MS23					----> Primary Span							
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)		No											
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	No	Lane	WB	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)		In Advance (Y/N)		At Bridge (Y/N)						
Remarks	Not required.												
Hazard Marker At Bridge (Y/N)		No											
Remarks		Not required.											
Other Sign Types		Bridge Ices.											
Utilities (Located at)													
Utility Attachments		TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE											
Telephone	At NE & SE & under span 3.					Gas							
Power	1W 300m West.					Municipal		Manhole @ SE & NE approach.					
Others	Light standards.					Problem (Y/N)		No					
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				5	5	Grades down from bridge.							
Vertical Alignment				5	5	Bridge on curve.							
				B3511A									
Roadway Width (m)		15.000											
Approach Bump					4	6							
Guardrail (Y/N)		Yes			Parapet.								
Guardrail					5	6							
Length (m)		30.000											
Current Standard (Y/N)		No											
Termination Type		TURNDOWN											
Drainage				6	6								

Approach Road					
			Last	Now	Explanation of Condition
Approach Road General Rating			5	5	
Superstructure					
Bridge Component			Last	Now	Explanation of Condition
(Primary Span : WG, 5 Spans, Lengths(m): 40-54-54-54-48, 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	30	
Now	20.0	0.0	0.0	0.0	
Wearing Surface			3	8	Viewed from 4 corners- no visible problems.
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			4	7	
Deck Joints			4	N	(2 gland joints @ South -40mm & 35mm gaps). (3 gland joints @ North -30mm & 30mm & 35mm gaps). Not accessible due to high traffic volumes. Viewed from 4 corners and no visible problems. Inspect and measure during full closure Spring 2013.
Temperature (deg. C)		-13			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
30		N abut			
35		S abut			
Deck Drainage			5	5	No drains.
Drains Clogged (Y/N)		No			
Curbs/Median			4	7	Repaired in 2011.
(Curb Type : None)					
Scaling (Percent Area)		1			
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	Steel tubs.
Flange			7	7	
Web			7	7	
Stiffeners			7	7	
Splice			7	7	
Weld			7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 5 Spans, Lengths(m): 40-54-54-54-48, A-Ident Number:)					
Diaphragms/Cross Frame		7	7		
Paint Condition		X	X	Weathering steel.	
(Colour Description :)					
(Colour Code :)					
Touchup Required (Y/N)	No				
Bearings		6	6	Only seen @ piers & South abut. Too high too see @ North abut.	
Temperature (deg. C)	-13				
(Expansion Type : POT BEARING)					
(Fixed Type : POT BEARING)					
Coating Adequate (Y/N)	Yes				
Functioning (Y/N)	Yes				
Deck Underside		5	5	Corrosion stains @ parapet joints @ deck exterior. Isolated transverse cracks & efflorescence. Isolated corrosion stain @ span #1, 2 @ deck underside.	
Stains (Percent Area)	3				
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating		5	5		
Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
Bearing Seats/Caps		7	7		
(Type : CONCRETE)					
Backwalls/Breastwalls		7	7		
Wingwalls		5	6		
Piles		N	N	Buried.	
Paint/Coating		4	7	Pigmented Sealer.	
Abutment Stability		8	8		
Scour/Erosion		X	X		
Piers/Bents					
(Type : PIER-SOLID)				Minor spall @ North pier from fire.	
Bearing Seats/Caps		7	7		
(Type : CONCRETE)					
(Total Number of Bearing Piles : 0:0:0:0)					
Pier Shaft/Piles		7	7		
Bracing/Struts/Sheathing		X	X		
Nose Plate		X	X		
Paint/Coating		7	X		
(Colour Description :)					
(Colour Code :)					
Pier Stability		7	8		
Scour		X	X		
Debris (Y/N)	No				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				WID canal under Sp.4.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)				
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	
Grade Separation				
Road Alignment		6	6	Curves both ends. Ogden road under Sp.1.
Traffic Safety Features		7	7	At West pier only.
Type	Guardrail			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		6	6	

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							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	53.2/54.5	Est. Repl. Yr	2046	Maint. Req. (Y/N)	No
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	23-Oct-2014		Previous Inspection Date	19-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							