

Bridge Inspection										
Bridge File Number	79404 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	1980/1980					Lot No.	2			
Bridge or Town Name	CALGARY, CNR, WID, OGDEN ROAD					Inspector Name	Garry Roberts			
Located Over	COMINICO CANAL ROADWAY					Inspector Class	BR CLS A			
Located On	2:15 R1 23.955;2:15 L1 24.057					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	22-Jan-2013			
Legal Land Location	SW SEC 26 TWP 23 RGE 1 W5M					Data Entry By	Lauren Korte			
Longitude, Latitude	-114:02:15, 50:58:57					Data Entry Date	06-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Tom Carey			
Contract Main. Area	DEERFOOT/STONE Y					Review Date	29-Jan-2013			
Clear Roadway/Skew	35.5 /					Dept. Reviewer Name	Tim Davies			
AADT/Year	101,730 / 2011 (A)					Dept. Review Date	21-Feb-2013			
Road Classification	RFD-616.6-130					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 Vert. Clearance Posting (m)				UNDER: COMINICO CANAL ROADWAY 4.3m								
Posted Vertical Clearance (Y/N)				Yes								
Posted:	Lane	EB	On Bridge (m)	4.4	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	4.4	In Advance (Y/N)	No
Remarks												
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	At Bridge (Y/N)	No		
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	At Bridge (Y/N)	No		
Remarks				Not required								
Hazard Marker At Bridge (Y/N)				No								
Remarks				Not req.								
Other Sign Types				Right turn, 100 km/hr,merge								

Utilities (Located at)											
Utility Attachments	GAS UTILITIES-GAS LINE; POWER UTILITIES-POWER LINE										
Telephone	In area.					Gas					
Power	1 W to West.					Municipal	Sanitary line 30m SE.				
Others	Light standard.					Problem (Y/N)	No				
Remarks				Underside deck lighting.							

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Curves & turnout lanes.
Vertical Alignment		7	7	B3119
Roadway Width (m)	52.000			
Approach Bump		8	7	
Guardrail (Y/N)	Yes			Parapets.
Guardrail		5	5	
Length (m)	45.000			
Current Standard (Y/N)	Yes			
Termination Type	TURNDOWN			
Drainage		6	7	
<b>Approach Road General Rating</b>		<b>6</b>	<b>6</b>	

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : RD, 1 Spans, Lengths(m): 30, A-Ident Number: )							
<b>Special Features</b>							
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>	20.0	0.0	0.0	0.0			
Wearing Surface			6	6	Wide spread grout key cracks @ original deck. Narrow longitudinal cracks @ new deck.		
(Material Type : <b>CONCRETE</b> )							
(Thickness(mm) : <b>50</b> )							
Lateral Connection Problem (Y/N)		No					
Deck Top			N	N			
Deck Rideability			7	7			
Deck Joints			7	4	Active Leakage at SW abut indicates joint seal leaks.  70mm at extended joint sections at North, 80mm at South.		
Temperature (deg. C)		-7					
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
Gap Size (mm)		Gap Location					
10		N abut					
10		S abut					
Deck Drainage			6	6	No drains.		
Drains Clogged (Y/N)		No					
Curbs/Median			4	4	Surface spalls, cracks & corrosion at low cover rebar at center parapet at S/B lanes.		
(Curb Type : <b>None</b> )							
Scaling (Percent Area)		10					
Bridge Rail			X	X			
(Type : )							
Bridge Rail Posts			X	X			
(Type : )							
Bridge Rail/Posts Coating			X	X			
(Type : )							
Sidewalk			X	X			
<b>Girder Detail Ratings</b>							
	N (count)	1 (count)	2 (count)	3 (count)			
<b>Last</b>	0	0	0	0			
<b>Now</b>	0	0	0	0			
Girders			6	4	26 original "RD" girders with 15 "RM" girders @ exterior.  Minor high load damage at W/B lane at East curb and 5 girders at West.		
Cracking (Y/N)		No					
Spalling (Percent Area)		0					
(Number Of Girders : <b>41</b> )							
Diaphragms/Cross Frame			X	X			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RD, 1 Spans, Lengths(m): 30, A-Ident Number: )				
Bearings		7	7	Concrete pedestals & neoprene. Strippads at center-pedestals & neoprene pad at exterior.
Temperature (deg. C)	-7			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	Minor stains @ 50mm gap between structure.
Stains (Percent Area)	5			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	Buried.
Paint/Coating		5	5	Pigmented coating at extended abut.
Abutment Stability		8	8	
Scour/Erosion		X	X	
<b>Piers/Bents</b>				
(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			
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		6	6	Traffic lights @ both ends.
Traffic Safety Features		7	7	Center median.
Type	Median			
Slope Protection		X	7	
(Type : <b>NATURAL; RIP RAP</b> )				
Bank Stability		7	7	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>6</b>	<b>6</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Patch parapets approx 8m2.					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Flood test joint seals and repair/replace as required.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Patch high load damage at 6 girders- approx 1m2.					
OTHER ACTION	2013	Install advance vertical clearance signs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>77.8/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>46.9/37.1</b>	Est. Repl. Yr	2056	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	22-Oct-2014		Previous Inspection Date	20-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							