

Bridge Inspection									
Bridge File Number	81702 -1 Bridge				Form Type	TH			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	CALGARY				Inspector Name	Garry Roberts			
Located Over	BOW RIVER, 2.13, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	TRAIL-PED, ON 50000 FB				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Oct-2010			
Legal Land Location	SE SEC 31 TWP 22 RGE 29 W4M				Data Entry By	Erin Roberts			
Longitude, Latitude	-114:00:03, 50:54:39				Data Entry Date	22-Oct-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA				Review Date	06-Oct-2010			
Clear Roadway/Skew	3.5 /				Dept. Reviewer Name	Lorenz Bohnert			
AADT/Year					Dept. Review Date	27-Oct-2010			
Road Classification					Follow-Up By				
Detour Length (km)									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)					No							
Posted:	Lane	WB	On Bridge (m)		In Advance (Y/N)	No	Lane	EB	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	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
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											
Other Sign Types	Not Required										

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power	Multiple lines 50m N and attached to P1 and P4				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	5	Pedestrian Bridge Park file #1622 Erosion 200m west of Bridge @ Side of pathway - 30m long
Vertical Alignment		5	5	
Roadway Width (m)	3.000			Bridge Ends Flare to 5.0m to 3.0m wide ACP Path
Approach Bump		5	6	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : TH, 5 Spans, Lengths(m): 8.9-30.7-38.8-30.7-8.9, A-Ident Number: A1229-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	0.0	0.0	0.0	0.0	
Wearing Surface/Deck Top			7	7	Isolated cracks are routed and sealed
(Material Type : CONCRETE)					
(Plank Thickness(mm) : 50)					
(Plank Width(mm) :)					
Deck Rideability			7	7	
Deck Joints			3	3	West Abut Gland is fallen out @ s end. No extrusion
Temperature (deg. C)		20			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
70		East Abut			
40		West Abut			
Curbs/Wheel Guards			X	X	
(Curb Type :)					
(Type :)					
(Thickness(mm) :)					
(Width(mm) :)					
Bridge Rail			8	8	steel plate blocking Galvanized
(Type :)					
Bridge Rail Posts/Blocking			8	8	
(Type :)					
Bridge Rail/Posts Coating			8	7	
(Type :)					
Sidewalk			X	X	

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TH, 5 Spans, Lengths(m): 8.9-30.7-38.8-30.7-8.9, A-Ident Number: A1229-01)						
Wide Load Damage (Y/N)	No					Concrete Deck only Dwydag rods Welded connections HSS Floor Beam Members @ Bearings
High Load Damage (Y/N)	No					
Top Chord			8	8		
Batter Posts			X	8		
Sway Bracings			8	8		
Diagonals			8	8		
Verticals			8	8		
Portals			8	8		
Connections			X	8		
Floor Beams			8	8		
Bottom Chord			8	8		
(No. of Stringers : 0)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers			X	X		
(Type : STEEL)						
(Width(mm) :)						
(Depth(mm) :)						
(Spacing(mm) :)						
Paint Condition			8	X		Weathering Steel
(Colour Description :)						
(Colour Code :)						
Touchup Required (Y/N)						
Bearings			8	8		
Temperature (deg. C)	2					
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)						
(Fixed Type :)						
Functioning (Y/N)						
Sub Deck/Deck Underside			8	8		
(Material Type : CONCRETE)						
(Plank Thickness(mm) : 150)						
(Plank Width(mm) :)						
Defects (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						
(Extended Backwall Piles (Y/N) :)						
(Extended Backwall Piles Spacing(mm) :)						
End of Bridge just connects to concrete grade beam @ Abuts Bridge End Spans are cantilever design and hang from piers on dywidag bars						

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			8	8	
(Type : CONCRETE)					
(Depth(mm) :)					
(Width(mm) :)					
Backwalls/Breastwalls			8	X	
Greatest Height (m)		0.40			
Wingwalls			X	X	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	1	0	0	0	
Piles			X	N	
Paint/Coating			X	X	
Abutment Stability			9	8	
Scour/Erosion			9	8	
Piers/Bents					
(Type : PIER-SOLID)					
(Total Number of Caps/Corbels : : :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			7	7	
(Type : CONCRETE)					
(Total Number of Bearing Piles : 0:0:0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Pier Shaft/Piles			7	7	
Greatest Height (m)		8.00			
Bracing/Struts/Sheathing			X	X	
Nose Plate			X	7	
Paint/Coating			5	5	
(Colour Description :)					
(Colour Code :)					
Pier Stability			7	7	
Scour			N	6	
Debris (Y/N)		No			
Substructure General Rating			7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				7
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.0			No visible HWM
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		7	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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2010	Glue West Abut deck joint gland in place					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	71.8/86.1	Est. Repl. Yr	2055	Maint. Req'd. (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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	01-Jul-2015		Previous Inspection Date	07-Jul-2005			
Inspection Cycle (Default) (months)	57						
Comment							