

Bridge Inspection									
Bridge File Number	84017 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1962/1962				Lot No.	2			
Bridge or Town Name	BOW BOTTOM T				Inspector Name	Garry Roberts			
Located Over	FISH CREEK, 2.13.31, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	01-Oct-2010			
Legal Land Location	SW SEC 36 TWP 22 RGE 1 W5M				Data Entry By	Erin Roberts			
Longitude, Latitude	-114:00:54, 50:54:24				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	7.3 /				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:	HS20						----> Primary Span		

Posting Information									
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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not Required								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	Attached to West curb				Gas				
Power	50m west multiple lines				Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5					
Vertical Alignment			5	5					
Roadway Width (m)	7.300								
Approach Bump			5	5					
Guardrail (Y/N)	Yes				concrete parapet				
Guardrail			7	5	Some corrosion and surface spalls @SW				
Length (m)	9.000								
Current Standard (Y/N)	Yes								
Termination Type	Sloped End								
Drainage			7	7					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 1 Spans, Lengths(m): 31, A-Ident Number:)					
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			5	6	transverse cracks Key cracks @ each lane most are sealed
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	7	Tar filled
Temperature (deg. C)		18			
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
25		north abut			
20		south abut			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			7	6	concrete parapets
(Curb Type : None)					
Scaling (Percent Area)		0			
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			7	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			4	4	medium width chamfer and longitudinal web cracks G1 has diagonal cracks at fascia- medium width
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 6)					
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 1 Spans, Lengths(m): 31, A-Ident Number:)				
Bearings		5	6	Minor distortion of bearing pads Corrosion @ Sole Plates
Temperature (deg. C)	18			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	6	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	5	Pigmented Sealer
Abutment Stability		7	7	
Scour/Erosion		7	7	
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		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Trees @ Banks
(D/S Direction : E)				
Alignment		7	6	
Bank Stability		5	6	
HWM (m below Top of Curb)	2.5			No visible HWM
Drift (Y/N)	Yes			
Slope Protection		5	6	Natural Granular @ South (Type : RIP RAP; RIP RAP)
Guidebank/Spurs		X	X	
Adequacy of Opening		5	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS	2012	Blast and recoat bearings					
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) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	67.4/68.7	Est. Repl. Yr	2030	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	01-Jan-2014		Previous Inspection Date	22-Jun-2005			
Inspection Cycle (Default) (months)	39						
Comment							