

Bridge Inspection									
Bridge File Number	73825 W-2 Bridge				Form Type	PCS			
Year Built/Year Supstr	1983/1983				Lot No.	2			
Bridge or Town Name	BROOKS				Inspector Name	Tom Carey			
Located Over	EID - BANTRY CANAL, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	1:18 L1 15.775				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Feb-2012			
Legal Land Location	SE SEC 26 TWP 18 RGE 14 W4M				Data Entry By	Anne Roberts			
Longitude, Latitude	-111:49:03, 50:32:54				Data Entry Date	24-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA23				Review Date	26-Feb-2012			
Clear Roadway/Skew	13.2 / 10 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	7,280 / 2011 (A)				Dept. Review Date	29-Mar-2012			
Road Classification	RFD-412.4-130				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:	MS300						----> Primary Span		

Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)		In Advance (Y/N)		At Bridge (Y/N)		
Posted:	Lane	WB	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	CANAL I.D. at NE								

Utilities (Located at)									
Utility Attachments									
Telephone	North ditch.				Gas				
Power	5-wire, X's road 200 m West				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8						
Vertical Alignment		7	7						
Roadway Width (m)	12.800			West approach ACP distorted 100mm - patched ACP cracked and pothole at East approach					
Approach Bump		4	4						
Guardrail (Y/N)	Yes			Wrong lap at NW and SW. Missing 2 splice bolts at SE					
Guardrail		4	4						
Length (m)	34.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage		7	7						
Approach Road General Rating		7	7						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SMC, 3 Spans, Lengths(m): 10-11-10, A-Ident Number:)					
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	7	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	("Koch" joints)990603 chipseal covered
Bump (Y/N)		No			
Deck Drainage			7	7	NO DRAINS
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	TRANSVERSE CRACKS @ 300 mm SPACING; NARROW. Plow scrape @ SE corner-
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Narrow cracking @ bridgerail post bases @ anchor bolt locations
(Type : BRIDGE TUBE)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			6	6	
(Type :)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	12	0	0	0	
Now	0	0	0	0	
Girders			7	7	A few with narrow to hairline longitudinal cracks
Last Complete Inspection Date		15-Feb-2012			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 400)						
(Width(mm) : 600)						
Backwalls/Breastwalls				X	X	
Greatest Height (m)		1.00				
Wingwalls				7	7	
(Total Number of Bearing Piles : 0:0)				Buried		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	26	0	0	0		
Now	26	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
				5% peeling		
Abutment Stability				7	7	
Scour/Erosion				6	6	
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				7	7	
(Type : CONCRETE)						
(Depth(mm) : 761)						
(Width(mm) : 600)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				7	7	
Greatest Height (m)		3.10				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				5	5	
(Colour Description : GREEN)						
(Colour Code : 14090)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		N	N	Ice
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.3			No visible HWM
Drift (Y/N)	No			
Slope Protection (Type :)		5	5	Natural under bridge. CI 1 and 1m at canal
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
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							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION	2012	Fill Pot hole @ East approach					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	68.9/68.9	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	15-Nov-2013		Previous Inspection Date	15-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							