

Bridge Inspection									
Bridge File Number	74448 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	GLENWOOD				Inspector Name	Jason Rusu			
Located Over	PFR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	505:02 C1 44.392				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	10-Jun-2012			
Legal Land Location	SE SEC 5 TWP 5 RGE 25 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-113:19:52, 49:20:56				Data Entry Date	20-Jul-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	10-Jul-2012			
Clear Roadway/Skew	9.5 / -20 deg. (LHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,220 / 2011 (A)				Dept. Review Date	30-Jul-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	13								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
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)	No								
Remarks	Not required								
Other Sign Types									

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	South r/w				Gas				
Power	1 line N. r/w				Municipal				
Others					Problem (Y/N)		No		
Remarks									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		8	8	ROAD CRESTS OVER CANAL. NO PASSING.					
Vertical Alignment		6	6						
Roadway Width (m)		10.000							
Approach Bump		6	6						
Guardrail (Y/N)		Yes		TYPE VI @ ALL CORNERS.					
Guardrail		7	7	Canal road access.					
Length (m)		7.000		Not thriebeam					
Current Standard (Y/N)		No							
Termination Type		FLARE END							
Drainage		7	7						
Approach Road General Rating		6	6						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SCC, 3 Spans, Lengths(m): 13-14.3-13, 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	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	6	Narrow cracks
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			8	8	Buffer angle
Bump (Y/N)		No			
Deck Drainage			4	4	1 missing stub drain at Sp. 2 west end.
Drains Clogged (Y/N)		No			
Curbs/Median			8	7	TYPICAL HAIRLINE VERT. FLEX. CRACKS EVERY 500 mm AVERAGE.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Girders			7	7	20% OF EXTERIOR COATING FAILED. Rated spans 1&3 only
Last Complete Inspection Date					
Cracking (Y/N)		Yes			Hairline long crk @ gird bottom
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			Center span not accessible due to high water
(Number Of Girders : 27)					
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) :)						
(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				9	9	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			N	N	Not visible behind precast	
Greatest Height (m)		1.50				
Wingwalls			7	7	Random cracks	
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Buried	
Last	1					
Now	10	0	0	0		
Piles				N	N	
Paint/Coating				7	7	
Abutment Stability				9	9	
Scour/Erosion				6	6	Minor erosion gully 150mmx150mmx4m long @ W slope
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				8	8	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 5:5)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Pier Shaft/Piles				9	9	
Greatest Height (m)		5.00				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				8	8	
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.0			
Drift (Y/N)	No			
Slope Protection (Type : RIP RAP; RIP RAP)		7	7	150 mm ROCK & PITRUN MIX
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	Water to 2.0 of girder underside
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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	2012	INSTALL 100 mm DIA. x 100 mm LONG PVC STUB DRAIN					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	68.7/67.4	Est. Repl. Yr	2051	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	10-Sep-2015		Previous Inspection Date	19-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							