

Bridge Inspection									
Bridge File Number	84506 -1 Bridge				Form Type	CON			
Year Built/Year Supstr	2002/2002				Lot No.	3			
Bridge or Town Name	GLENWOOD				Inspector Name	Garry Roberts			
Located Over	ENV - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	21-Jun-2011			
Legal Land Location	SW SEC 18 TWP 4 RGE 25 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:21:29, 49:17:46				Data Entry Date	13-Jul-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	UNDEFINED CMA				Review Date	28-Jun-2011			
Clear Roadway/Skew	4.3 / 0 deg.				Dept. Reviewer Name	Tim Davies			
AADT/Year	48 / 2011 (E)				Dept. Review Date	15-Jul-2011			
Road Classification	RLU-208G-60				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:							----> Primary Span		

Posting Information									
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)	Yes								
Remarks	50% broken at South East.								
Other Sign Types									

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks	None visible.								

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Curves to west.					
Vertical Alignment		7	7						
Roadway Width (m)	4.300			Gravel.					
Approach Bump		5	5						
Guardrail (Y/N)	Yes			Wrong lap at all 4 corners and missing splice bolts. Not attached to post at South West and 1 post missing at South West.					
Guardrail		5	4						
Length (m)	8.000			Not thriebeam.					
Current Standard (Y/N)	No								
Termination Type	Flare end								
Drainage		7	4	Erosion encroaching on road shoulder at South West.					
Approach Road General Rating		5	5						

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CS, 2 Spans, Lengths(m): 5-5, A-Ident Number:)					
Special Features					
Special Feature			5	Headgate @ N side of bridge Timber spillway @ N	
(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			X	5	
(Material Type :)					
(Thickness(mm) :)					
Deck Top			5	5	Transverse cracks
Deck Rideability			7	6	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	Light scaling. Standard curb type.
(Curb Type : Standard)					
Scaling (Percent Area)		5			
Bridge Rail			7	5	60mm diameter pipe posts and rail.
(Type : STEEL NON-STANDARD RAIL)					
Bridge Rail Posts			7	5	Blue paint.
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			5	5	
(Type : PAINT)					
Sidewalk			X	X	
Girders			X	X	
Diaphragms/Cross Frame			X	X	
Bearings			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Coating Adequate (Y/N)					
Functioning (Y/N)					
Deck Underside			7	7	
Stains (Percent Area)		0			
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CS, 2 Spans, Lengths(m): 5-5, A-Ident Number:)				
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		X	X	
Backwalls/Breastwalls		7	7	
Wingwalls		5	5	
Piles		X	X	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		X	X	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		7	7	
Paint/Coating		4	4	Surface corrosion @ 100% of nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	6	
Bank Stability		5	5	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		5	5	
(Type :)				
Guidebank/Spurs		X	X	Some pitrun & class 1m @ SE
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				

Structure Usage				
		Last	Now	Explanation of Condition
Channel General Rating		7	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2011	Add 1 post and attach post at SW. Correct rail splices and place 20 splice bolts at approach rails.					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Repair erosion at SW - 10m3 pit run.					
OTHER ACTION	2011	Replace SE hazard marker board.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	74.7/63.5	Est. Repl. Yr	2025	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	21-Sep-2014		Previous Inspection Date	06-Oct-2004			
Inspection Cycle (Default) (months)	39						
Comment							