

Bridge Inspection							
Bridge File Number	01241 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1968/1968			Lot No.	2		
Bridge or Town Name	GLENWOOD			Inspector Name	Jason Rusu		
Located Over	BELLY RIVER, 2.12.22, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	505:02 C1 33.480			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	10-Jun-2012		
Legal Land Location	SE SEC 6 TWP 5 RGE 26 W4M			Data Entry By	Kelsey Roberts		
Longitude, Latitude	-113:28:48, 49:21:07			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	9.1 /			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)	38						
Allowable Load (t):	Single	CS1 42 GIRDER	Semi	CS2 52 GIRDER	Train	CS3 71 GIRDER	----> 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	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 req.							
Hazard Marker At Bridge (Y/N)	Yes							
Remarks								
Other Sign Types	blood indian reserve @ s.e. corner, curve							

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	North curb		Gas
Power			Municipal
Others	stream gauge station		Problem (Y/N) No
Remarks	gauge at s.w. corner Fibre Optics @ NE		

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	
Vertical Alignment		8	8	
Roadway Width (m)	9.200			
Approach Bump		6	6	
Guardrail (Y/N)		Yes		Steel posts added at each corner Split post at NW
Guardrail		7	4	
Length (m)		34.000		Not thriebeam
Current Standard (Y/N)		No		
Termination Type		TURN DOWN		
Drainage		7	7	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 3 Spans, Lengths(m): 21.3-22.9-21.3, 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			5	5	random crking throughout -sealed
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			5	5	piers #1 @ #2 - (b496 acme seals) abut. #1 @ #2, fibre board type Seals are weathered
Temperature (deg. C)		12			
(Expansion Type :)					
(Fixed Type : ASPHALTIC FIBRE BOARD;COMPRESSION SEAL (ACME SEALS))					
Gap Size (mm)		Gap Location			
55		E pier			
52		W pier			
Deck Drainage			6	6	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	SINGLE LAYER OF FLEXBEAM ON STD 140 mm DIA PIPE POSTS.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			3	3	Missing 1 A/B nut at 2 posts of NE curb
(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			4	4	Wide vert crk @ S ext gird @ E span @ abut. Typ hairline, chamfer crk S1G6 at P1 with corrosion staining. Wide crk @
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
(Number Of Girders : 18)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 3 Spans, Lengths(m): 21.3-22.9-21.3, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	
Bearings		5	5	Worst @ Abuts P1,P2 A1,A2 Corrosion @ Exteriors
Temperature (deg. C)	16			
(Expansion Type : NEOPRENE STRIP BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		7	7	stains along underside of curb units from weep drains
Stains (Percent Area)	1			
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		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		X	X	
Abutment Stability		8	8	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				Massive piers
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	moderate rust of nose plate
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	N	Water too high and silty
Debris (Y/N)	Yes			Drift at P2
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				SHIFTING TO THE WEST Some work has been done- see photo.
(D/S Direction : E)				
Alignment		4	4	'86-2.1m below bot. girders w. abut. Gravel bar diverts flow to W
Bank Stability		4	4	Steep cut all along SW bank
HWM (m below Top of Curb)	3.4			Drift at P3
Drift (Y/N)	Yes			
Slope Protection		7	7	Concrete
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		6	6	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	2 A/B nuts 7/8" galv.					
GALVANIZE/PAINT 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	2012	OBTAIN SURVEY & AIR PHOTOS, RIVER TRAINING.					
OTHER ACTION	2012	Complete river training					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	62.0/61.9	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	10-Sep-2015		Previous Inspection Date	09-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							