

Bridge Inspection									
Bridge File Number	01606 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1965/1965				Lot No.	3			
Bridge or Town Name	STAND OFF				Inspector Name	Jason Rusu			
Located Over	WATERTON RIVER, 2.12.22.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	2:06 C1 3.209				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Oct-2011			
Legal Land Location	NE SEC 29 TWP 6 RGE 25 W4M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-113:19:38, 49:30:07				Data Entry Date	17-Nov-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA26				Review Date	09-Nov-2011			
Clear Roadway/Skew	9.1 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	1,520 / 2010 (A)				Dept. Review Date	21-Nov-2011			
Road Classification	RAU-211.8-110				Follow-Up By				
Detour Length (km)	15								
Allowable Load (t):	Single	CS1 44 GIRDER	Semi	CS2 51 GIRDER	Train	CS3 64 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	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)	No								
Remarks									
Other Sign Types	CURVE, RIVER ID.								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	CONDUIT ALONG WEST GIRDER.				Gas				
Power	1 W 20 m EAST				Municipal				
Others	Fiber optics West row				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Hill at north end.				
Vertical Alignment			6	6	Curve at south end.				
Roadway Width (m)	11.000								
Approach Bump			6	6					
Guardrail (Y/N)	Yes				Missing 2 splice bolts at NE Creased but functional. Insufficient posts in 1.9 m section. NW corner flared out. Type 6.				
Guardrail			4	4					
Length (m)	19.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			6	6					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PO, 3 Spans, Lengths(m): 30.5-30.5-30.5, 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	Chip coat on ACP Random cracking throughout
(Material Type : ACP - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 90)					
Lateral Connection Problem (Y/N)	No				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			6	6	
Temperature (deg. C)		12			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
70		north			
52		south			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			6	6	SOME FLEXURAL CRACKS ESP E. CURB MID SPAN EVERY .3 - .5 m - SOME LEACHING ON UNDERSIDE - MINOR.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			7	7	Minor bend at 4th panel from NW. A/B nuts not fully engaged.
(Type : STEEL NON-STANDARD RAIL)					
Bridge Rail Posts			4	4	
(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	0	0	0	0	
Now	0	0	0	0	
Girders			5	5	Most girders have wide cracks or spalls @ shoe plates Continous- 5 girder lines Isolated corrosion spots at South.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		1			
(Number Of Girders : 15)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : PO, 3 Spans, Lengths(m): 30.5-30.5-30.5, A-Ident Number:)				
Diaphragms/Cross Frame		7	6	10% CORROSION at abuts.
Bearings		5	5	Painted with galvacon
Temperature (deg. C)	10			
(Expansion Type : ROCKER BEARING)				At abutments.
(Fixed Type : PINNED BEARING)				At piers.
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	MINOR LEACHING MID SPAN deck underside
Stains (Percent Area)	5			Stains at all deck underside at exterior.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		4	4	Minor erosion gullies at North abut.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				Some vertical narrow cracks - minor.
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		4	4	Surface rust on nose plate.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		N	5	North pier is in center of channel.
Debris (Y/N)	Yes			Minor drift
Substructure General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		4	4	Cutbank u/s & d/s
HWM (m below Top of Curb)	2.0			Trees @ S pier and banks
Drift (Y/N)	Yes			
Slope Protection		7	7	
(Type : CONCRETE; CONCRETE)				
Guidebank/Spurs		X	X	
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							
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	2011	Install hazard markers					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	51.6/51.1	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	09-Jul-2013		Previous Inspection Date	21-Jan-2010			
Inspection Cycle (Default) (months)	21						
Comment							