

Bridge Inspection									
Bridge File Number	73275 W-2 Bridge				Form Type	SG			
Year Built/Year Supstr	2001/2001				Lot No.	2			
Bridge or Town Name	BEZANSON				Inspector Name	Brian Pientsch			
Located Over	SMOKY RIVER, 8.10.58, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	43:04 L1 34.727				Assistant Name	Russel Vanderschaaf			
Water Body Cl./Year					Assistant Class	BR CLS B			
Navigabil. Cl./Year					Inspection Date	03-Dec-2012			
Legal Land Location	NE SEC 17 TWP 72 RGE 2 W6M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-118:15:32, 55:14:15				Data Entry Date	08-Jan-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA05				Review Date	19-Dec-2012			
Clear Roadway/Skew	12.4 / -10 deg. (LHF)				Dept. Reviewer Name	David Morrison			
AADT/Year	6,230 / 2011 (A)				Dept. Review Date	18-Mar-2013			
Road Classification	RAD-412.4-120				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:	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)		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	markers installed on first guardrail post.								
Other Sign Types	Curve Signs, Smoky R @ east end.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Approach rail installed 280mm too low @ all 4 corners.-08-Mar-2011 Snow covered.				
Vertical Alignment			6	6					
Roadway Width (m)	12.400								
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			4	N					
Length (m)	190.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			9	9					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 5 Spans, Lengths(m): 50-62-62-62-50, A-Ident Number: A1322-01)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.
Last	15	0	0	0	
Now	60.0				
Wearing Surface			4	4	(Lateral cks spaced approx. every 3m. (sealed). 300mm x 300mm potholes forming along wheel paths on N. lane.)-08-Mar-2011
(Material Type : ACP)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			7	4	abut 2 rattles with traffic
Temperature (deg. C)		-18			
(Expansion Type : FINGER PLATES)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
80		Abut. 1			
110		Abut. 2			
Deck Drainage			7	7	
Drains Clogged (Y/N)		No			
Curbs/Median			N	N	Wide vert. crack in S curb 18m from the west abutment. Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			7	7	Snow covered.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			N	N	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	Span 2 & 3 viewed from banks.
Flange			8	8	
Web			8	8	
Stiffeners			8	8	
Splice			8	8	
Weld			8	8	
Diaphragms/Cross Frame			8	8	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 5 Spans, Lengths(m): 50-62-62-62-50, A-Ident Number: A1322-01)				
Paint Condition		5	5	pigmented sealer grey
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	
Temperature (deg. C)	-18			
(Expansion Type : POT BEARING)				
(Fixed Type : POT BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		5	5	Lateral cks with efflorescence. Crack with rust stains E. abut joint.
Stains (Percent Area)	1			
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		8	8	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0:0:0)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	pigmented sealer grey
(Colour Description :)				
(Colour Code :)				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		9	9	
Scour		8	8	
Debris (Y/N)	Yes			50 - 500mm sized branches/logs on P1 & P2.
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		9	9	
Bank Stability		9	9	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			50-500mm sized branches on P1 & P2.
Slope Protection		7	7	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK	2013	Seal cracks, fix potholes-carried over 08-Mar-2011					
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	68.8/68.5	Est. Repl. Yr	2072	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	Brian Pientsch		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	03-Sep-2014		Previous Inspection Date	08-Mar-2011			
Inspection Cycle (Default) (months)	21						
Comment							