

Bridge Inspection										
Bridge File Number	73275 E-1 Bridge				Form Type	SG				
Year Built/Year Supstr	1950/1950				Lot No.	1				
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 R1 34.701				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	-118:15:34, 55:14:14				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	12.2 /				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:	MS23						----> Primary Span			

Posting Information									
Required Load Posting (t)	Single		Semi		Truck Train				
Posted Loading (t)	Single		Semi		Truck Train		63.5		
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)	Yes								
Remarks	Markers on 1st approach rail posts.								
Other Sign Types	Smoky River, Caution Bump Ahead.								

Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks										

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6					
Vertical Alignment			6	6					
Roadway Width (m)	12.400				Approaches milled down.				
Approach Bump			6	5					
Guardrail (Y/N)	Yes				Missing 2 GR to BR transition bolts at SE corner - 04-May-2009.				
Guardrail			N	3	Snow covered.				
Length (m)	38.000				9 broken posts & 6 sections of rail damaged NE corner due to collison.-photo				
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 : WG, 5 Spans, Lengths(m): 28.2-61.6-76.8-61.6-28.2, A-Ident Number: A0834-01)						
Special Features						
Special Feature			3	1(Note: Type -Catwalks) All corner chainlink fence loose. NOT LOCKED		
(Type :)						
Catwalk Access			X			
(Type : UNLOCKED)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Partly snow covered.	
Last	10	0	0	1		
Now	60.0			1.0		
Wearing Surface			3	3	Chip coat delaminating from concrete deck top.-photo	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			5	5		
Deck Joints			5	5		
Temperature (deg. C)		-18				
(Expansion Type : FINGER PLATES)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
100		Abut #2				
100		Abut #1				
Deck Drainage			N	N	500 x 500 sinkhole formed at abutment @ NW.-04-May-2009 Snow covered.	
Drains Clogged (Y/N)		No				
Curbs/Median			4	3	Spalls & rust staining along both curbs S. curb. Hairline cracks every approx 1m with stains on exterior fascia @ every post. Post 5 & 6 from SE corner spalled due to collision.-photo	
(Curb Type : Standard)						
Scaling (Percent Area)		10				
Bridge Rail			6	6	20% anchor bolts have insufficient thread extension through the nut.(5mm short)-04-May-2009	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			N	3	Snow covered. Superficial rust on bases.-08-Mar-2011	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			5	5	Post 5 & 6 from SE corner spall damage. Posts 33-37 from NE guardrail hit-no damage visible.	
(Type : GALVANIZED)						
Sidewalk			X	X		
Girder/Beam						
Cover Plate			X	X		
Flange			7	7		
Web			7	7		
Stiffeners			7	7		
Splice			7	7		
Weld			7	7		
Diaphragms/Cross Frame			7	7		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 5 Spans, Lengths(m): 28.2-61.6-76.8-61.6-28.2, A-Ident Number: A0834-01)				
Paint Condition		7	7	Abutment ends of curb girders have been painted. orange
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		7	7	
Temperature (deg. C)	-8			
(Expansion Type : POT BEARING)				
(Fixed Type : PINNED BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		3	3	Transverse cracking every est 2 - 3m Rusting/leaching through 50% of cracks. SPALLS W ABUT. S SIDE, and E side.-photo
Stains (Percent Area)	10			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		N	N	Rust spots and spalling A1 & 2.-04-May-2009 Snow covered.
Piles		N	N	
Paint/Coating		7	7	
Abutment Stability		8	8	
Scour/Erosion		6	6	
Piers/Bents				
(Type : PIER-SOLID)				Wide vert. cracking & spalling @ N end P4.
Bearing Seats/Caps		4	4	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 76:76:76:76)				
Pier Shaft/Piles		5	5	
Bracing/Struts/Sheathing		X	X	
Nose Plate		5	5	
Paint/Coating		5	5	Pigmented sealer
(Colour Description :)				
(Colour Code :)				
Pier Stability		6	6	
Scour		6	6	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)	8.0			HWM (2004-04-01)
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2013	Install missing GR to BR bolts @ SE.-carried over 04-May-2009					
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
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	2013	- Patch chipcoat					
OTHER ACTION	2013	- Consider assessment of deck for rehab.					
OTHER ACTION	2013	install locks on catwalk.					
OTHER ACTION	2013	Repair spalled bridge rail past anchorage bases.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	38.9/38.9	Sufficiency Rating (Last/Now) (%)	52.4/52.0	Est. Repl. Yr	2039	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							