

Bridge Inspection							
Bridge File Number	01015 E-3 Bridge			Form Type	SG		
Year Built/Year Supstr	2008/2008			Lot No.	4		
Bridge or Town Name	BALZAC			Inspector Name	Garry Roberts		
Located Over	NOSE CREEK, 2.13.32, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	566:04 R1 1.150			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	26-Jul-2012		
Legal Land Location	NW SEC 9 TWP 26 RGE 29 W4M			Data Entry By	Lauren Korte		
Longitude, Latitude	-113:59:49, 51:12:45			Data Entry Date	30-Aug-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA29			Review Date	07-Aug-2012		
Clear Roadway/Skew	11.5 /			Dept. Reviewer Name	Tim Davies		
AADT/Year	7,720 / 2011 (A)			Dept. Review Date	06-Sep-2012		
Road Classification	RAD-412.4-120			Follow-Up By			
Detour Length (km)							
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	---> On Critical Spans --->Critical Member
Design Loading:	CL800					---> 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)	In Advance (Y/N)	At Bridge (Y/N)		
Posted:	Lane	EB	At Junction (Y/N)	In Advance (Y/N)	At Bridge (Y/N)		
Remarks	Not required.						
Hazard Marker At Bridge (Y/N)	No						
Remarks							
Other Sign Types	Not required.						

Utilities (Located at)			
Utility Attachments			
Telephone	North ROW.		Gas
Power			Municipal
Others	Street lighting.		Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Hwy 2 ramps 70 m West.
Vertical Alignment		7	7	
Roadway Width (m)	10.800			
Approach Bump		7	7	
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)				
Current Standard (Y/N)	Yes			
Termination Type	Turn Down			
Drainage		7	6	Minor erosion at SW.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : WG, 1 Spans, Lengths(m): 20.2, 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			8	7	Isolated cracks.
(Material Type : ACP)					
(Thickness(mm) : 70)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			7	7	Parapets.
Drains Clogged (Y/N)		No			
Curbs/Median			8	8	
(Curb Type :)					
Scaling (Percent Area)		0			
Bridge Rail			X	X	
(Type :)					
Bridge Rail Posts			X	X	
(Type :)					
Bridge Rail/Posts Coating			X	X	
(Type :)					
Sidewalk			X	X	
Girder/Beam					
Cover Plate			X	X	
Flange			7	7	
Web			7	7	
Stiffeners			7	7	
Splice			X	X	
Weld			7	7	
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 1 Spans, Lengths(m): 20.2, A-Ident Number:)				
Paint Condition		7	7	Blue.
(Colour Description : BLUE)				
(Colour Code : 15182)				
Touchup Required (Y/N)	No			
Bearings		9	8	Both abuts.
Temperature (deg. C)	24			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		9	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		7	7	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Backwalls/Breastwalls		9	9	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		9	9	
Piers/Bents				
(Type :)				
Bearing Seats/Caps		X	X	
(Type :)				
(Total Number of Bearing Piles :)				
Pier Shaft/Piles		X	X	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		9	9	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Outlet of W/B culvert extends 1/2 way under bridge.
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)		No		
Slope Protection		8	8	
(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		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							
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) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	76.8/72.8	Est. Repl. Yr	2050	Maint. Req. (Y/N)	No
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	26-Oct-2015		Previous Inspection Date	02-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							