

Bridge Inspection										
Bridge File Number	02233 -1 Bridge				Form Type	CON				
Year Built/Year Supstr	1955/1955				Lot No.	2				
Bridge or Town Name	FABYAN				Inspector Name	Owen Salava				
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	14:14 C1 29.315				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	10-Jan-2012				
Legal Land Location	SE SEC 19 TWP 45 RGE 7 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-111:00:26, 52:53:35				Data Entry Date	02-Feb-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Jason Saly				
Contract Main. Area	CMA15				Review Date	27-Jan-2012				
Clear Roadway/Skew	8.5 /				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	2,560 / 2010 (A)				Dept. Review Date	23-Feb-2012				
Road Classification	RAU-211.8-110				Follow-Up By					
Detour Length (km)	21									
Allowable Load (t):	Single	CS1 34 GIRDER	Semi	CS2 49	Train	CS3 63 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 required.									
Hazard Marker At Bridge (Y/N)	Yes									
Remarks										
Other Sign Types	85 km/hr, 7% grade, hill, information, narrow bridge, stream ID.									
Utilities (Located at)										
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE									
Telephone	Under West curb.				Gas					
Power					Municipal					
Others	Conduit attached to U/S of South curb, full length.				Problem (Y/N)		No			
Remarks										
Approach Road										
			Last	Now	Explanation of Condition					
Horizontal Alignment			6	6	Curves at top of hills in both directions - 7 percent grades.					
Vertical Alignment			6	6						
Roadway Width (m)	13.100				Approaches settled causing slight bump.					
Approach Bump			5	5						
Guardrail (Y/N)	Yes				Some blocking rotated.					
Guardrail			4	5						
Length (m)	60.800				87.4m - SW; 73.9m - NW, 60.8m - SE; 64.6m - NE.					
Current Standard (Y/N)	Yes									
Termination Type	TURNED DOWN									
Drainage			6	6						
Approach Road General Rating			6	6						

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : CT, 3 Spans, Lengths(m): 20.1-27.4-20.1, A-Ident Number:)						
Special Features						
Special Feature			X	"8" Deck Strengthening. Typical all spans. N-S bridge on W-E HWY; n abut = A1.		
(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			4	4	Chipseal on epoxy on concrete deck. Chipseal worn off at both abutment ends - photo. Epoxy delam in EB, East abut.	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)						
(Thickness(mm) : 50)						
Deck Top			N	N		
Deck Rideability			7	7		
Deck Joints			7	7		
Temperature (deg. C)		-5				
(Expansion Type : GLAND (SILICON SEAL))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
60	West abutment					
81	East abutment					
Deck Drainage			4	6		
Drains Clogged (Y/N)		No				
Curbs/Median			5	5	Curbs have been sealed. Typical vertical crack at post base. Minor plow scrapes.	
(Curb Type : Standard)						
Scaling (Percent Area)		3				
Bridge Rail			7	7	Dirty.	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts			7	7		
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating			7	7		
(Type : GALVANIZED)						
Sidewalk			X	X		
Girders			5	5	NW girder cracked & scaling from deck drainage. S1G3 narrow shear cracks.	
Diaphragms/Cross Frame			5	5	Vertical crack in diaphragms.	
Bearings			4	4	Scaling rust at all bearings. A1,2, P1 P2	
Temperature (deg. C)		-5				
(Expansion Type : ROLLER BEARING)						
(Fixed Type : PINNED BEARING)						
Coating Adequate (Y/N)		No				
Functioning (Y/N)		No				
Deck Underside			5	5		
Stains (Percent Area)		1				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CT, 3 Spans, Lengths(m): 20.1-27.4-20.1, A-Ident Number:)				
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		4	4	There is a horiz. ck in the E abut.
Backwalls/Breastwalls		5	5	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Pier Shaft/Piles		7	7	
Nose Plate		7	7	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	Yes			Minor debris at the N pier.
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Crossing located in long sweeping horizontal curve in the river.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			Minor.
Slope Protection		5	5	Minor erosion gully from runoff beside wingwalls.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
(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										
GALVANIZE/PAINT BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK	2012	Chipseal deck. Remove all loose polymer overlay beforehand.								
REPAIR/REPLACE DECK JOINTS										
RESET/ PAINT BEARINGS	2012	Replace all exp bearings and plates.								
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSION										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	39.9/51.3	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	Jason Saly	Previous Assistant's Name								
Next Inspection Date	10-Oct-2013	Previous Inspection Date	23-Jun-2010							
Inspection Cycle (Default) (months)	21									
Comment										

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	2012	Chipseal deck. Remove all loose polymer overlay beforehand.					
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS	2012	Replace all exp bearings and plates.					
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	39.9/51.3	Est. Repl. Yr	2030	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments	2012.05.15 Flood tested glands at both abutments and found no leaks. Rehab assessment is programmed for 2013. Requested MCI to patch failed polymer O/L areas with spray patch when next in the area. CB			
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							

Previous Inspector's Name	Jason Saly	Previous Assistant's Name	
Next Inspection Date	10-Oct-2013	Previous Inspection Date	23-Jun-2010
Inspection Cycle (Default) (months)	21		
Comment			