

Bridge Inspection										
Bridge File Number	08707 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1980/1980				Lot No.	4				
Bridge or Town Name	GALAHAD				Inspector Name	Owen Salava				
Located Over	BATTLE RIVER, 5, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	861:04 C1 0.000				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	13-Sep-2012				
Legal Land Location	SW SEC 23 TWP 40 RGE 14 W4M				Data Entry By	Marcia Chavez				
Longitude, Latitude	-111:55:10, 52:27:15				Data Entry Date	02-Oct-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien				
Contract Main. Area	CMA21				Review Date	27-Sep-2012				
Clear Roadway/Skew	9 / -15 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles				
AADT/Year	200 / 2011 (A)				Dept. Review Date	16-Oct-2012				
Road Classification	RCU-208-110				Follow-Up By					
Detour Length (km)	12									
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member			
Design Loading:	MS230						----> 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									
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									

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

Approach Road					
		Last	Now	Explanation of Condition	
Horizontal Alignment		7	7	Winds down from North with good sight distance.	
Vertical Alignment		7	7		
Roadway Width (m)	8.000				
Approach Bump		7	7		
Guardrail (Y/N)	Yes				
Guardrail		7	7		
Length (m)	42.000				
Current Standard (Y/N)	Yes				
Termination Type	Turn Down				
Drainage		4	6		
Approach Road General Rating		7	7		

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 3 Spans, Lengths(m): 16-26-16, A-Ident Number: A0859-01)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Gravel along curbs.	
Last	40					
Now	30.0	0.0	0.0	0.0		
Wearing Surface				7	7	
(Material Type : CONCRETE)						
(Thickness(mm) : 75)						
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				6	6	
Temperature (deg. C)		20				
(Expansion Type : ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
82		A1 - South - Exp.				
62		A2 - North - Exp.				
Deck Drainage				7	7	No drains.
Drains Clogged (Y/N)						
Curbs/Median				7	7	Typical vertical cracks in curb every approx 1.2m.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				8	8	
(Type : GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts				8	8	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating				8	8	
(Type : GALVANIZED)						
Sidewalk				X	X	
Girder/Beam						
Cover Plate				8	X	
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, 3 Spans, Lengths(m): 16-26-16, A-Ident Number: A0859-01)				
Paint Condition		7	7	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		6	6	The two pads at SE overhang masonry plate by 5mm.
Temperature (deg. C)	20			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		6	6	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		6	6	
Abutment Stability		8	8	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4:4)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		8	8	Bracing.
Nose Plate		8	X	
Paint/Coating		4	4	Bottom 400mm has superficial rust. Yellow.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Possibly attacking toward road 500m U/S.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		6	6	Vertical banks on outside of bends with some sloughing. Minor slide along some vertical plane as the North pier piles.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		6	6	
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

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) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	73.3/73.7	Est. Repl. Yr	2046	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	Owen Salava		Previous Assistant's Name				
Next Inspection Date	13-Dec-2015		Previous Inspection Date	28-Aug-2009			
Inspection Cycle (Default) (months)	39						
Comment							