

Bridge Inspection									
Bridge File Number	78709 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1981/1981				Lot No.	4			
Bridge or Town Name	SEEBE				Inspector Name	Garry Roberts			
Located Over	KANANASKIS RIVER, 2.13.56, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	LOCAL ROAD				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	25-Nov-2012			
Legal Land Location	NW SEC 1 TWP 23 RGE 9 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-115:07:46, 50:55:55				Data Entry Date	29-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	27-Nov-2012			
Clear Roadway/Skew	10.9 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	4,100 / 2012 (E)				Dept. Review Date	06-Dec-2012			
Road Classification	RCU-211-110				Follow-Up By				
Detour Length (km)	999								
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	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)	No								
Remarks									
Other Sign Types	River level subject to change, Creek ID								

Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE; POWER UTILITIES-POWER LINE								
Telephone	South and North ROW				Gas				
Power	Power along Southeast fascia 20mm.				Municipal				
Others	Conduit for depth gauges.				Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	5	Curve @ West. Jct. with Hwy 40 100 m east.				
Vertical Alignment			7	7					
Roadway Width (m)		11.000			New transition paving both approaches 20 m.				
Approach Bump			6	8					
Guardrail (Y/N)		Yes			Continuous galv. box steel .150 x .150				
Guardrail			7	9	Not thriebeam.				
Length (m)		6.000							
Current Standard (Y/N)		No							
Termination Type		SLOPED DOWN							
Drainage			N	8	New trough drains and abut drains at east.				
Approach Road General Rating			5	5					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : RM, 3 Spans, Lengths(m): 18-25-18, A-Ident Number:)						
Special Features						
Special Feature						
(Type :)						
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow covered 20%	
Last	60	0	0	0		
Now	20.0	0.0	0.0	0.0		
Wearing Surface				N	9	New ACP and waterproof membrane in 2012.
(Material Type : ACP)						
(Thickness(mm) : 70)						
Lateral Connection Problem (Y/N)		No				
Deck Top				N	N	
Deck Rideability				7	8	
Deck Joints				5	9	New strip seal joints installed at both abuts 2012 rehab.
Temperature (deg. C)		-3				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
Gap Size (mm)		Gap Location				
85		West				
75		East				
Deck Drainage				5	5	
Drains Clogged (Y/N)		No				
Curbs/Median				N	8	Curbs repaired and parged, 50% visible.
(Curb Type : Standard)						
Scaling (Percent Area)		0				
Bridge Rail				7	9	.150 x .150 galv. steel rail and posts. Paint on timber ped rail and posts.
(Type : BRIDGE TUBE;GALVANIZED STEEL BRIDGE TUBE)						
Bridge Rail Posts		3		9		
(Type : POST STEEL;GALVANIZED POST STEEL)						
Bridge Rail/Posts Coating		6		9		
(Type : GALVANIZED)						
Sidewalk				5	N	(5% scaled.) snow covered.
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders				5	5	Center span sags 20 mm. All girders are cracked over pier, worst has 3 longitudinal cracks coming from bearing & drift pin for est 1.0m. Sp.1 -G1 and Sp.3 - G# both with narrow longitudinal cracks marked for reference.
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : 33)						
Diaphragms/Cross Frame				X	X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : RM, 3 Spans, Lengths(m): 18-25-18, A-Ident Number:)				
Bearings		7	7	Welds @ bearing to sole plates corroded. Not causing problems.
Temperature (deg. C)	-3			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
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		7	7	
Piles		N	N	Buried.
Paint/Coating		5	5	Partial tar coating at A1.
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 : 3:3)				
Pier Shaft/Piles		8	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		8	8	
Paint/Coating		X	6	Galv. nose plate.
(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 : S)				
(D/S Direction : N)				
Alignment		8	8	
Bank Stability		7	7	
HWM (m below Top of Curb)	3.8			No visible HWM.
Drift (Y/N)	No			
Slope Protection		8	8	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		8	8	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
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) (%)	66.3/65.3	Est. Repl. Yr	2040	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	25-Feb-2016		Previous Inspection Date	13-Dec-2011			
Inspection Cycle (Default) (months)	39						
Comment							