

Bridge Inspection									
Bridge File Number	74354 W-1 Bridge				Form Type	CON			
Year Built/Year Supstr	1957/1957				Lot No.	2			
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	1:04 L1 0.007				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	09-Feb-2012			
Legal Land Location	SE SEC 33 TWP 24 RGE 8 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-115:03:17, 51:05:10				Data Entry Date	13-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	21-Feb-2012			
Clear Roadway/Skew	15.2 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	17,500 / 2010 (A)				Dept. Review Date	22-Mar-2012			
Road Classification	RAD-412.4-120				Follow-Up By				
Detour Length (km)	1								
Allowable Load (t):	Single		Semi		Train				----> On Critical Spans ---->Critical Member
Design Loading:	H20					----> 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)		In Advance (Y/N)		At Bridge (Y/N)		
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 ID, route								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	Att to N. curb & all thru area				Gas	Crossed road 25m W & U/S			
Power					Municipal				
Others	Fibre optics @ N RW				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Pot hole developing AI WBC off of bridge.				
Vertical Alignment			5	5					
Roadway Width (m)	14.000				Short splice and missing 8 bolts at SE and NE. Not thriebeam				
Approach Bump			6	4					
Guardrail (Y/N)	Yes				Not thriebeam				
Guardrail			4	4					
Length (m)	60.000								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN ENDS								
Drainage			6	6					
Approach Road General Rating			5	5					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CA, 7 Spans, Lengths(m): 6-6-36.6-6-6-6-6, 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			5	5	CHIP COAT on epoxy - 5% FAILED
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)					
(Thickness(mm) : 50)					
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			7	7	East pier 75 mm. East abut 45 mm.
Temperature (deg. C)		-5			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
55	W. abut				
75	W. pier				
Deck Drainage			4	4	Drains extended past arch - broken connection of deck drains at center arch both sides
Drains Clogged (Y/N)		Yes			
Curbs/Median			5	4	Heavy scaling at soffits. 500 X 200 spall at NE.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			5	5	40% PAINT FAILURE
(Type : STEEL TUBE BEAM TYPE 1)					
Bridge Rail Posts			5	5	
(Type : POST STEEL;POST STEEL)					
Bridge Rail/Posts Coating			4	4	
(Type : PAINT)					
Sidewalk			X	X	
Girders			5	5	Scaling & minor corrosion stains @ Exposed steel of arches. - all minor
Diaphragms/Cross Frame			X	X	
Bearings			5	5	Fixed points are cast in place concrete At Abutments and piers 4 and 10
Temperature (deg. C)		-5			
(Expansion Type : REINFORCED PAD BEARING)					
(Fixed Type :)					
Coating Adequate (Y/N)		Yes			
Functioning (Y/N)		Yes			
Deck Underside			5	5	Light scaling, corrosion staining and efflorescence @ spans 5, 6, 7.
Stains (Percent Area)		10			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CA, 7 Spans, Lengths(m): 6-6-36.6-6-6-6-6, A-Ident Number:)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Secondary Span : CB)				
Special Features				
Special Feature			X	
(Type :)				
Special Feature			X	
(Type :)				
Wearing Surface/Deck Top Detail Ratings				
	N (%)	1 (%)	2 (%)	3 (%)
Last				
Now	0.0	0.0	0.0	0.0
Wearing Surface			5	
(Material Type : CONCRETE - CONVENTIONAL CHIP SEAL COAT)				
(Thickness(mm) : 50)				
Deck Top			N	
Deck Rideability			6	
Deck Joints			7	
Temperature (deg. C)	-5			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))				
(Fixed Type :)				
Gap Size (mm)	Gap Location			
Deck Drainage			4	Broken drains Sp.2 both sides.
Drains Clogged (Y/N)	No			
Curbs/Median			5	
(Curb Type : Standard)				
Scaling (Percent Area)	0			
Bridge Rail			5	
(Type : STEEL TUBE BEAM TYPE 1)				
Bridge Rail Posts			5	40% paint failure.
(Type : POST STEEL;POST STEEL)				
Bridge Rail/Posts Coating			4	
(Type : PAINT)				
Sidewalk			X	
Girders			5	
Diaphragms/Cross Frame			X	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Secondary Span : CB)				
Bearings			5	
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			5	
Stains (Percent Area)	5			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating			5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		6	6	
Backwalls/Breastwalls		5	5	
Wingwalls		5	5	
Piles		N	N	Buried.
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				Wide cracks @ pier #10 south in shaft & Cap
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				
Pier Shaft/Piles		5	5	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		7	7	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Bank Stability		6	6	
HWM (m below Top of Curb)				NO visible HWM
Drift (Y/N)	No			
Slope Protection (Type : NATURAL; NATURAL)		7	7	Natural at west. Natural shale at East
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	2012	Repair curb spall 0.5 X 0.2.					
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	2012	Reconnect retrofit drains at N and S arch.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	66.3/66.3	Est. Repl. Yr	2027	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	09-Nov-2013		Previous Inspection Date	17-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							