

Bridge Inspection				
Bridge File Number	74354 E-2 Bridge		Form Type	PSR
Year Built/Year Supstr	1970/1970		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 R1 0.006		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	Anne Roberts
Longitude, Latitude	-115:03:15, 51:05:09		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	CS1 50 GIRDER	Semi	CS2 60 GIRDER	Train	CS3 80 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)	No
Remarks	
Other Sign Types	CURVE, RIVER I.D.

Utilities (Located at)			
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE		
Telephone	Through S curb & at S ditch	Gas	Crosses river u/s from bridge
Power		Municipal	& 25m W
Others		Problem (Y/N)	No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Missing 4 splice bolts at SW and SE - 7 at NW Not thriebeam
Vertical Alignment		5	5	
Roadway Width (m)	12.200			
Approach Bump		6	6	
Guardrail (Y/N)	Yes			
Guardrail		3	4	
Length (m)	30.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		7	7	
<b>Approach Road General Rating</b>		<b>5</b>	<b>5</b>	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : FC, 3 Spans, Lengths(m): 22.9-36.6-22.9, A-Ident Number: )						
<b>Special Features</b>						
Special Feature		7	7	@ CENTER SPAN GIRDER WEBS @ EAST ABUT.		
(Type : <b>SUPERBOLT CONN</b> )						
Special Feature			X			
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface		6	6	15 mm of chip coat over 60 mm asphalt. 5% abrasion		
(Material Type : <b>ACP - CONVENTIONAL CHIP SEAL COAT</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)		No				
Deck Top		N	N			
Deck Rideability		7	7			
Deck Joints		3	3	STEEL BACKWALL DRAINS ARE CORRODED OUT WATER FLOWS ALONG ABUTS  Minor spall developing at P1 paving lip. Heavy corrosion at fingers, several broken welds at west finger joint		
Temperature (deg. C)		-5				
(Expansion Type : <b>FINGER PLATES;GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
70		W. abut.				
70		E. abut.				
70		E. pier				
75		W. pier				
Deck Drainage		4	6			
Drains Clogged (Y/N)		No				
Curbs/Median		5	5			
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		1				
Bridge Rail		7	7	Approx. 20 post A/B have less that full nut engaged  Minor corrosion @ base plates Paint is over a galvanized surface and is peeling-50%		
(Type : <b>STEEL TUBE BEAM TYPE 1</b> )						
Bridge Rail Posts		4	4			
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating		5	5			
(Type : <b>PAINT</b> )						
Sidewalk		X	5			
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>	0	0	0	0		
<b>Now</b>	0	0	0	0		
Girders		4	4	NO ACTIVE LEAKAGE SEEN @ THIS INSPECTION. TYPICAL NARROW END GIRDER CRACKS. Vertical crack and corrosion at Sp1 - G1 and G10 over pier		
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : <b>30</b> )						

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 3 Spans, Lengths(m): 22.9-36.6-22.9, A-Ident Number: )				
Diaphragms/Cross Frame		7	7	Minor narrow cracks
Bearings		7	7	Corrosion @ exteriors
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	1			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>4</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		7	7	
Piles		N	N	Buried
Paint/Coating		5	5	
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				Corrosion Stains @ Caps @ South
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 0:0)				
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		7	7	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>6</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>S</b> )				
(D/S Direction : <b>N</b> )				
Alignment		7	7	
Bank Stability		6	6	
HWM (m below Top of Curb)				No visible HWM
Drift (Y/N)	No			
Slope Protection		7	7	Natural at west, natural shale at east
(Type : )				
Guidebank/Spurs		7	7	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	

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	2012	Reweld broken fingers at west joint - check east joint (unable to get count)					
RESET/ PAINT BEARINGS							
WASHING	2012	Clean abut seats					
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>70.0/69.9</b>	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	09-Nov-2013		Previous Inspection Date	17-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							