

Bridge Inspection									
Bridge File Number	79432 -1 Bridge				Form Type	PSR			
Year Built/Year Supstr	1981/1981				Lot No.	2			
Bridge or Town Name	ALPINE ACCES				Inspector Name	Garry Roberts			
Located Over	RIBBON CREEK, 2.13.56.10, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	25202:02 C1 0.376				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	13-Dec-2011			
Legal Land Location	NE SEC 2 TWP 23 RGE 9 W5M				Data Entry By	Alyssa Boynton			
Longitude, Latitude	-115:08:29, 50:55:56				Data Entry Date	25-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey			
Contract Main. Area	CMA28				Review Date	21-Dec-2011			
Clear Roadway/Skew	11.4 / 20 deg. (RHF)				Dept. Reviewer Name	Tim Davies			
AADT/Year	600 / 2005 (E)				Dept. Review Date	06-Feb-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	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	Not required.								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types	Creek ID, 40km/hr								
Utilities (Located at)									
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE								
Telephone	20 m SW of bridge.				Gas				
Power	4 wire O/H @ North end.				Municipal				
Others					Problem (Y/N)	No			
Remarks	Major transmission line 3 wires @ North end.								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			6	6	Curves both ends and hill to the South.				
Vertical Alignment			6	6					
Roadway Width (m)	10.800								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Continuous structural tube rail.				
Guardrail			7	7	150 x 150 mm.				
Length (m)	30.000				Not thriebeam.				
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			8	7					
<b>Approach Road General Rating</b>			<b>6</b>	<b>6</b>					

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : <b>FM, 1 Spans, Lengths(m): 34, A-Ident Number: </b> )						
<b>Special Features</b>						
Special Feature			8			
(Type : <b>EXT LATER POST TENS</b> )						
Special Feature			7			
(Type : <b>UNDERSLUNG DIAPHR</b> )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>						
<b>Now</b>	0.0	0.0	0.0	0.0		
Wearing Surface			7	6	4 longit cracks full length sealed with epoxy sealer. Diagonal cracks at corners also sealed with epoxy.	
(Material Type : <b>CONCRETE</b> )						
(Thickness(mm) : <b>50</b> )						
Lateral Connection Problem (Y/N)	Yes					
Deck Top			N	N		
Deck Rideability			8	7		
Deck Joints			8	7		
Temperature (deg. C)		-7				
(Expansion Type : <b>ARMoured GLAND (WABO UNDER FINGER OR SLIDING PLATES)</b> )						
(Fixed Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
Gap Size (mm)		Gap Location				
110		South				
70		North				
Deck Drainage			7	7		
Drains Clogged (Y/N)		No				
Curbs/Median			7	N	Snow covered	
(Curb Type : <b>Standard</b> )						
Scaling (Percent Area)		5				
Bridge Rail			7	7	Timber rail at both sidewalks. 2% of paint peeled.	
(Type : <b>BRIDGE TUBE</b> )						
Bridge Rail Posts		3	3	(Corrosion holes @ 6 posts - Oct 28/08) Could not confirm due to snow.		
(Type : <b>POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating		3	6	Worst is @ SW corrosion holes are 15mm dia		
(Type : <b>PAINT</b> )						
Sidewalk			5	5	20% scaling @ West. medium scaling.	
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>	0	0	0	0		
Girders			4	4	Hairline longitudinal crack at top of exterior leg of both curbs. Typical chamfer cracks at girder ends. @ medium width. Marked @ SW.	
Cracking (Y/N)		Yes				
Spalling (Percent Area)		0				
(Number Of Girders : <b>9</b> )			Wide Longitudinal crack @ ex web @ inside @ SW Exposed Rebar @ Girder #5 @ Bottom of east web @ N Abut			

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FM, 1 Spans, Lengths(m): 34, A-Ident Number: )					
Diaphragms/Cross Frame		6	6	Diagonal cracks with staining at diaphragms.	
Bearings		6	7		
Temperature (deg. C)	-7				
(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		6	6		
Stains (Percent Area)	5				
<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		8	8	Seats are 50% covered with pack rat debris.	
(Type : CONCRETE)					
Backwalls/Breastwalls		8	8		
Wingwalls		7	7		
Piles		N	N	Buried.	
Paint/Coating		8	6	Tar coating with isolated peeling.	
Abutment Stability		6	7		
Scour/Erosion		8	7		
<b>Piers/Bents</b>					
(Type : )					
Bearing Seats/Caps		X	X		
(Type : )					
(Total Number of Bearing Piles : )					
Pier Shaft/Piles		X	X		
Bracing/Struts/Sheathing		X	X		
Nose Plate		X	X		
Paint/Coating		X	X		
(Colour Description : )					
(Colour Code : )					
Pier Stability		X	X		
Scour		X	X		
Debris (Y/N)	No				
<b>Substructure General Rating</b>		<b>6</b>	<b>7</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel</b>				
(U/S Direction : <b>W</b> )				On curve.
(D/S Direction : <b>E</b> )				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)		No		
Slope Protection		9	8	
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		9	8	
Adequacy of Opening		9	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	2012	Replace Bridgerail with galvanized steel bridgerail					
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING	2012	Abutment 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>55.6/61.1</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>58.8/61.0</b>	Est. Repl. Yr	2033	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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	13-Mar-2015		Previous Inspection Date	28-Oct-2008			
Inspection Cycle (Default) (months)	39						
Comment							