

Bridge Inspection										
Bridge File Number	78217 -1 Bridge				Form Type	SG				
Year Built/Year Supstr	1991/1991				Lot No.	4				
Bridge or Town Name	TURNER VALLE				Inspector Name	Garry Roberts				
Located Over	SHEEP RIVER, 2.13.27.2, WATERCRS-ST				Inspector Class	BR CLS A				
Located On	TRAIL-PED, ON 50000 FB				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	15-Jul-2012				
Legal Land Location	NW SEC 9 TWP 19 RGE 6 W5M				Data Entry By	Kelsey Roberts				
Longitude, Latitude	-114:46:49, 50:35:46				Data Entry Date	23-Aug-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	UNDEFINED CMA				Review Date	27-Jul-2012				
Clear Roadway/Skew	1.8 /				Dept. Reviewer Name	Tim Davies				
AADT/Year					Dept. Review Date	24-Aug-2012				
Road Classification					Follow-Up By					
Detour Length (km)	999									
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member			
Design Loading:								----> 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	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power					Municipal					
Others					Problem (Y/N)	No				
Remarks	None visible									

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Adequate for usage - pedestrian trail. Located 3.5km behind park gate at Bluerock Loop					
Vertical Alignment		5	5	Bridge behind locked gate.					
Roadway Width (m)	4.000			100mm drop from deck to approach.					
Approach Bump			5	5					
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)									
Termination Type									
Drainage			5	5	East approach drains onto timber sill causing minor erosion				
<b>Approach Road General Rating</b>		<b>5</b>		<b>5</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>RB, 5 Spans, Lengths(m): 5.9-4.1-5-9.6-7.9, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
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	7	CCA Timber
(Material Type : <b>COPPER CHROMATE ARSENATE TREATED TIMBER</b> )					
(Thickness(mm) : <b>75</b> )					
Deck Top			X	5	CCA 75x305 subdeck
Deck Rideability			7	7	Ped traffic only
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type : )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
Deck Drainage			7	X	
Drains Clogged (Y/N)		No			
Curbs/Median			7	7	150mm x 150mm green treated.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			7	7	75mm x 200mm green T.T. 150mm x 150mm green T.T.
(Type : <b>COPPER CHROMATE ARSENATE TREATED TIMBER BRIDGE SOLID BEAM (EX. TIMBER RAILS)</b> )					
Bridge Rail Posts			7	7	
(Type : <b>COPPER CHROMATE ARSENATE TREATED TIMBER; COPPER CHROMATE ARSENATE TREATED TIMBER</b> )					
Bridge Rail/Posts Coating			X	X	
(Type : )					
Sidewalk			X	X	
<b>Girder/Beam</b>					
Cover Plate			X	X	10" HP x 4 at 650 mm o.c.
Flange			8	8	
Web			8	8	
Stiffeners			X	X	
Splice			X	X	
Weld			X	X	
Diaphragms/Cross Frame			7	7	

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>RB, 5 Spans, Lengths(m): 5.9-4.1-5-9.6-7.9, A-Ident Number: )</b>				
Paint Condition		X	X	
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		7	7	Sitting on timber.
Temperature (deg. C)	15			
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)	Yes			
Deck Underside		7	7	
Stains (Percent Area)	10			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>7</b>	<b>7</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		6	6	
(Type : <b>TREATED TIMBER</b> )				
Backwalls/Breastwalls		7	7	
Wingwalls		X	X	
Piles		X	X	T.T. sill abuts.
Paint/Coating		X	X	
Abutment Stability		6	6	
Scour/Erosion		6	6	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	7	3 - 300 x 300 TT @ each. Concrete piers with bents on top, salvage caps on bottom. 305 T.T. top and bottom caps.
(Type : <b>TREATED TIMBER</b> )				
(Total Number of Bearing Piles : <b>3:4:3:3</b> )				
Pier Shaft/Piles		6	6	
Bracing/Struts/Sheathing		7	7	
Nose Plate		7	7	Angle @ pier #2.
Paint/Coating		5	X	No paint on nose plate.
(Colour Description : )				
(Colour Code : )				
Pier Stability		6	6	
Scour		6	6	
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>N</b> )				
(D/S Direction : <b>S</b> )				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	4.5			No Visible HWM
Drift (Y/N)	No			
Slope Protection		8	8	Class 3 @ U/S banks.
(Type : <b>NATURAL; NATURAL</b> )				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>8</b>	<b>8</b>	

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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>87.1/87.1</b>	Est. Repl. Yr	2030	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Piers are prone to drift accumulation and possible washout. Check and remove drift annually. G. Roberts July 15/12.		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	15-Apr-2017		Previous Inspection Date	23-Oct-2008			
Inspection Cycle (Default) (months)	57						
Comment							