

Bridge Inspection							
Bridge File Number	78218 -1 Bridge			Form Type	PT		
Year Built/Year Supstr	1908/1907			Lot No.	3		
Bridge or Town Name	TURNER VALLEY			Inspector Name	Garry Roberts		
Located Over	SHEEP RIVER, 2.13.27.2, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	LOCAL ROAD			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	15-Jul-2012		
Legal Land Location	SE SEC 24 TWP 19 RGE 6 W5M			Data Entry By	Anne Roberts		
Longitude, Latitude	-114:42:10, 50:37:07			Data Entry Date	23-Aug-2012		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Tom Carey		
Contract Main. Area	CMA27			Review Date	27-Jul-2012		
Clear Roadway/Skew	4.6 / 15 deg. (RHF)			Dept. Reviewer Name	Tim Davies		
AADT/Year	2 / 2011 (E)			Dept. Review Date	24-Aug-2012		
Road Classification	RLU-207G-60			Follow-Up By			
Detour Length (km)	999						
Allowable Load (t):	Single	H 12 U2U3	Semi	HS 13 U2U3	Train	CS3 18 U2U3	----> On Critical Spans ---->Critical Member
Design Loading:	HS15						----> Primary Span

Posting Information							
Required Load Posting (t)	Single	13	Semi	14	Truck Train	18	
Posted Loading (t)	Single	13.0	Semi	14.0	Truck Train	18.0	
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) Yes
Remarks	Consider sign at parking entrance						
Hazard Marker At Bridge (Y/N)	No						
Remarks							
Other Sign Types	No motor vehicles.						

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 - trail bridge.
Vertical Alignment		5	5	
Roadway Width (m)	4.000			Access through "Indian Oils" day campsite. Behind locked gate.
Approach Bump		5	5	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type				
Drainage		7	7	
Approach Road General Rating		5	5	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0036-05)						
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/Deck Top			7	7	CCA Timber	
(Material Type : UNTREATED TIMBER)						
(Plank Thickness(mm) : 75)						
(Plank Width(mm) : 305)						
Deck Rideability			8	7		
Deck Joints			X	X		
Temperature (deg. C)						
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Curbs/Wheel Guards			5	5	One twisted @ West @ L5 One beginning to rot	
(Curb Type : Standard)						
(Type : TREATED TIMBER)						
(Thickness(mm) : 100)						
(Width(mm) : 305)						
Bridge Rail			4	4	Missing 4 rail to post bolts	
(Type : LATTICE)						
Bridge Rail Posts/Blocking			7	7		
(Type : POST STEEL;POST STEEL)						
Bridge Rail/Posts Coating			8	7		
(Type : PAINT)						
Sidewalk			X	X		

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : PT, 1 Spans, Lengths(m): 24.4, A-Ident Number: A0036-05)						
Wide Load Damage (Y/N)		No				7/bay x 6 bays Stringers: Also 2 channel sections, 230mm x 60mm at spacing 800mm. For Details see UT 2011 Report
Top Chord				6	7	
Batter Posts				7	7	
Diagonals				6	7	
Verticals				7	7	
Connections				7	7	
Floor Beams				7	7	
Bottom Chord				7	7	
Lateral Bracings				7	7	
(No. of Stringers : 42)						
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Stringers				7	7	
(Type : STEEL)						
(Width(mm) : 100)						
(Depth(mm) : 230)						
(Spacing(mm) : 800)						
Paint Condition				7	6	Minor isolated rust. Grey.
(Colour Description : GREEN)						
(Colour Code : 503-103)						
Touchup Required (Y/N)		No				
Bearings				7	7	Shoe plate sits on TT pinned into timber at both ends. AB 1 AB 2
Temperature (deg. C)		15				
(Expansion Type : SLIDING PLATE)						
(Fixed Type : PINNED BEARING)						
Functioning (Y/N)		Yes				
Sub Deck/Deck Underside				6	7	A few cracked
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 305)						
Defects (Percent Area)		6				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				6	7	
Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : N)						
(Extended Backwall Piles Spacing(mm) :)						

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
(Total Number of Caps/Corbels : 10:10)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Bearing Seats/Caps/Corbels			7	7	
(Type : TREATED TIMBER)					
(Depth(mm) : 800)					
(Width(mm) : 200)					
Backwalls/Breastwalls			7	7	
Greatest Height (m)		1.20			
Wingwalls			X	X	
(Total Number of Bearing Piles : 0:0)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			X	X	
Paint/Coating			X	X	
Abutment Stability			9	7	
Scour/Erosion			9	9	
Rock walls.					
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			X	X	
(Type :)					
(Total Number of Bearing Piles :)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles			X	X	
Greatest Height (m)					
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			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Bridge by a waterfall. Stream aligns 45 degree to bridge & flows into rock gorge 5m U/S. Gorge aligns well to bridge.
(D/S Direction : E)				
Alignment		6	6	
Bank Stability		8	8	
HWM (m below Top of Curb)				No visible HWM.
Drift (Y/N)	No			
Slope Protection		9	9	Rock gorge.
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Install 4 rail to post bolts					
RETROFIT BRIDGE RAIL							
PATCH DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Put up N/B loading sign and S/B loading sign at gate access					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/77.8	Sufficiency Rating (Last/Now) (%)	51.3/53.8	Est. Repl. Yr	2040	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	Owen Salava	Previous Assistant's Name					
Next Inspection Date	15-Oct-2015	Previous Inspection Date	08-Jun-2011				
Inspection Cycle (Default) (months)	39						
Comment							