

Bridge Inspection									
Bridge File Number	06601 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1991/1991				Lot No.	4			
Bridge or Town Name	DERWENT				Inspector Name	Owen Salava			
Located Over	QUEENIE CREEK, 6.19.5, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	631:06 C1 18.680				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Aug-2011			
Legal Land Location	SW SEC 2 TWP 53 RGE 7 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-110:55:45, 53:32:27				Data Entry Date	13-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA15				Review Date	15-Aug-2011			
Clear Roadway/Skew	9.1 / -15 deg. (LHF)				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	90 / 2010 (A)				Dept. Review Date	15-Sep-2011			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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)	Yes								
Remarks									
Other Sign Types	Narrow Bridge E & W 150m.								
Utilities (Located at)									
Utility Attachments									
Telephone	South ditch.				Gas				
Power					Municipal				
Others					Problem (Y/N)		No		
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Land access E and W.				
Vertical Alignment			6	6	Bottom of sag curve. Crest in both directions, limited sight distance.				
Roadway Width (m)	12.000								
Approach Bump			8	8					
Guardrail (Y/N)	Yes								
Guardrail			6	6					
Length (m)	34.800								
Current Standard (Y/N)	No								
Termination Type	TURNED DOWN								
Drainage			6	6					
Approach Road General Rating			6	6					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 1 Spans, Lengths(m): 12, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	Gravel covered.
Last	0	0	0	0	
Now	50.0	0.0	0.0	0.0	
Wearing Surface			X	X	
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			7	7	
Deck Rideability			7	7	
Deck Joints			7	7	
Bump (Y/N)		No			No deck drains.
Deck Drainage			6	6	
Drains Clogged (Y/N)					
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			5	6	Single layer - not to std. Splice between posts.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			7	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	Viewed from banks due to high water level under bridge - looks good.
Last	0	0	0	0	
Now	0	0	0	0	
Girders			6	6	
Last Complete Inspection Date		13-Jun-2007			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			6	6	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1500)					
(Total Number of Caps/Corbels : 1:1)					
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			8	8	
(Type : STEEL)					
(Depth(mm) : 350)					
(Width(mm) : 370)					
Backwalls/Breastwalls			8	8	
Greatest Height (m)		3.10			
Wingwalls			5	5	
SE wingwal moved out (photo); 10mm plank separation at top. Scour behind SE wingwall (photo).					
(Total Number of Bearing Piles : 9:9)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles			8	8	
Paint/Coating			X	X	
Abutment Stability			8	8	
Scour/Erosion			8	8	
Piers/Bents					
(Type :)					
Maximum deck to S/B 3.7 m.					
(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 :)					
(Depth(mm) :)					
(Width(mm) :)					
(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 :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		5	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Curb)	2.7			
Drift (Y/N)	No			
Slope Protection		8	8	
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(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							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/77.8	Sufficiency Rating (Last/Now) (%)	64.4/70.1	Est. Repl. Yr	2037	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor SE wingwall movement.		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	Glen Smith		Previous Assistant's Name				
Next Inspection Date	08-Nov-2014		Previous Inspection Date	13-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							