

Bridge Inspection							
Bridge File Number	72488 -1 Bridge			Form Type	PCS		
Year Built/Year Supstr	1954/1954			Lot No.	2		
Bridge or Town Name	DEADWOOD			Inspector Name	Brian Pientsch		
Located Over	ROUSSEAU CREEK, 8.10.44.2, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	690:02 C1 10.952			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	20-Mar-2013		
Legal Land Location	SE SEC 29 TWP 89 RGE 22 W5M			Data Entry By	Theresa Lacusta		
Longitude, Latitude	-117:27:57, 56:44:27			Data Entry Date	09-Apr-2013		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Eric Carcoux		
Contract Main. Area	CMA04			Review Date	03-Apr-2013		
Clear Roadway/Skew	9.1 /			Dept. Reviewer Name			
AADT/Year	210 / 2012 (A)			Dept. Review Date			
Road Classification	RCU-209-110			Follow-Up By			
Detour Length (km)	6						

Allowable Load (t):	Single	CS1 28 GIRDER	Semi	CS2 49 GIRDER	Train	CS3 66 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)	Yes							
Remarks								
Other Sign Types	Maximum 50 Posted 50m West.							

Utilities (Located at)			
Utility Attachments			
Telephone	S. r/w		Gas
Power	2 wire OH N r/w		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Accesses to East on both sides of road
Vertical Alignment		8	8	
Roadway Width (m)	10.000			50mm settlement of ACP both approaches.
Approach Bump		7	3	
Guardrail (Y/N)	Yes			Only one section of rail in SE corner at 45 degree to accommodate access, not attached to bridgerail. 4 bolts missing.
Guardrail		4	7	
Length (m)	23.000			
Current Standard (Y/N)	No			
Termination Type	TURNED DOWN ENDS			
Drainage		8	8	
Approach Road General Rating		7	7	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : PGO, 3 Spans, Lengths(m): 6.1-6.1-6.1, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now	10.0				
Wearing Surface			4	5	
(Material Type : CONCRETE)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	
Bump (Y/N)		No			
Deck Drainage			8	8	
Drains Clogged (Y/N)		No			
Curbs/Median			5	5	
(Curb Type : Standard)					
Scaling (Percent Area)		20			
Bridge Rail			4	9	
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			4	9	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	9	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			4	4	
Last Complete Inspection Date		20-Mar-2013			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		5			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			4	4	

Double layer of flexbeam.

21 girders have wide cracking in the anchorage zone of both legs. Concrete sound.

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : N)					
(Extended Backwall Piles Spacing(mm) :)					
(Total Number of Caps/Corbels : 5:5)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			4	9	
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 300)					
Backwalls/Breastwalls			6	6	
Greatest Height (m)		1.40			
Wingwalls			6	6	
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Piles			4	7	
Paint/Coating			X	X	
Abutment Stability			6	6	
Scour/Erosion			5	6	
Piers/Bents					
(Type : PIER-COLUMN)					
(Total Number of Caps/Corbels : 5:5)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Bearing Seats/Caps/Corbels			5	9	
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 350)					
(Total Number of Bearing Piles : 7:7)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles			4	7	
Greatest Height (m)		2.30			
Bracing/Struts/Sheathing			4	7	
Nose Plate			X	X	
Paint/Coating			X	X	
(Colour Description :)					
(Colour Code :)					

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		6	6	
Scour		5	5	
Debris (Y/N)	No			
Substructure General Rating		4	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				60 degree bend 10m U/S.
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		7	7	
HWM (m below Top of Curb)	0.7			(Talk with nearby land owner, water @ bottom of girders once every 10 years.-18-Mar-08) 100mm diam. drift.
Drift (Y/N)	Yes			
Slope Protection (Type :)		5	5	Natural on W. headslope. Class 1 rock on E. headslope.
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	5	

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	2013	Patch both ACP approaches.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/55.6	Sufficiency Rating (Last/Now) (%)	59.1/64.0	Est. Repl. Yr	2028	Maint. Req'd. (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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	20-Jun-2016		Previous Inspection Date	21-Oct-2009			
Inspection Cycle (Default) (months)	39						
Comment							