

Bridge Inspection									
Bridge File Number	78515 -1 Bridge					Form Type	TT		
Year Built/Year Supstr	1968/1968					Lot No.			
Bridge or Town Name	DRUMHELLER					Inspector Name	Wayne Cappellani		
Located Over	TRAIL-ANIMAL, OVER SP					Inspector Class	BR CLS A		
Located On	849:02 C1 1.265					Assistant Name	Chris Black		
Water Body Cl./Year						Assistant Class			
Navigabil. Cl./Year						Inspection Date	28-Sep-2011		
Legal Land Location	SW SEC 23 TWP 28 RGE 19 W4M					Data Entry By	Wayne Cappellani		
Longitude, Latitude	-112:34:24, 51:24:19					Data Entry Date	10-Sep-2012		
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Wayne Cappellani		
Contract Main. Area	CMA21					Review Date	10-Sep-2012		
Clear Roadway/Skew	7.5 /					Dept. Reviewer Name	Wayne Cappellani		
AADT/Year	130 / 2011 (A)					Dept. Review Date	10-Sep-2012		
Road Classification	RLU-208G-90					Follow-Up By			
Detour Length (km)	20								
Allowable Load (t):	Single		Semi		Train		----> On Critical Spans ---->Critical Member		
Design Loading:							----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	EB	On Bridge (m)		In Advance (Y/N)	No	Lane	WB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not required.											
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												
Hazard Marker At Bridge (Y/N)	Yes											
Remarks	Damaged HM sign @ NW. Too low 1000mm @ NE & 900mm SE											
Other Sign Types	50km - S/B; missing 50km - N/B; wandering road; school bus stop.											

Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.					Gas			
Power	200m East.					Municipal			
Others						Problem (Y/N)	No		
Remarks									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		4	4	Does not meet provincial standards. On steep winding road. 50km max speed limit in S/B & missing in N/B direction. Limited sight distance in both directions.
Vertical Alignment		4	4	
Roadway Width (m)	7.500			
Approach Bump		7	7	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	NONE			
Drainage		7	5	
Approach Road General Rating		4	4	Gravel windrows along N. approach impedes water to drain onto bridge deck surface.

Superstructure						
Bridge Component				Last	Now	Explanation of Condition
(Primary Span : TP, 1 Spans, Lengths(m): 2.4, A-Ident Number:)						
Special Features						
Special Feature					X	
(Type :)						
Special Feature					X	
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	100	0	0	0		
Now	100.0	0.0	0.0	0.0		
Wearing Surface/Deck Top				N	N	Approx 100mm of gravel.
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 50)						
(Plank Width(mm) : 300)						
Deck Rideability				7	7	
Wheel Guards				N	5	Excess buildup along W. side.
(Curb Type : Standard)						
(Type : TREATED TIMBER)						
(Thickness(mm) : 300)						
(Width(mm) : 150)						
Bridge Rail				5	5	40mm x 115mm. Posts installed "flat". Suspect rot in NE post.
(Type : TREATED TIMBER BRIDGE SOLID BEAM (EX. TIMBER RAILS))						
Bridge Rail Posts				5	4	
(Type : TREATED TIMBER;TREATED TIMBER)						
Bridge Rail/Posts Coating				X	X	
(Type :)						
(No. of Stringers : 22)						Stringers 3 - 300mm width & 19 - 350mm width. Long. split/cracks in 20% members.
Stringer Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Stringers				X	5	
(Type : TREATED TIMBER)						
(Width(mm) : 350)						
(Depth(mm) : 150)						
(Spacing(mm) : 0)						
Sub Deck/Deck Underside				6	N	
(Material Type : TREATED TIMBER)						
(Plank Thickness(mm) : 100)						
(Plank Width(mm) : 300)						
Defects (Percent Area)		5				
Span Alignment Problems						
Vertical (Y/N)		No				
Horizontal (Y/N)		No				
Superstructure General Rating				6	5	

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 : 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				7	5
(Type : TREATED TIMBER)					
(Depth(mm) : 300)					
(Width(mm) : 300)					
Backwalls/Breastwalls			7	6	
Greatest Height (m)		0.90			
Wingwalls			6	6	
East side only has wingwall.					
(Total Number of Bearing Piles : 6:6)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	0	0	0	0	
Piles				7	7
Paint/Coating				X	X
Abutment Stability				8	7
Scour/Erosion				8	7
Piers/Bents					
(Type :)					
(Total Number of Caps/Corbels :)					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
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	0	0	0	0	
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		7	5	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	4	90 degree bend to North on E side. Structure NOT used as cattlepass due limited size of opening. However water flows under structure.
Traffic Safety Features		X	X	
Type	NONE			
Slope Protection		5	5	
(Type : NATURAL; NATURAL)				
Bank Stability		5	5	Vertical bank on East, no problem.
Drainage		5	5	
Grade Separation General Rating		5	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace rotten post @ NE corner					
PATCH DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Replace damage HM sign @ NW. Reset HM to correct height @ NE & SE corners.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/55.6	Sufficiency Rating (Last/Now) (%)	52.8/46.1	Est. Repl. Yr	2020	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	28-Dec-2014	Previous Inspection Date	10-May-2011				
Inspection Cycle (Default) (months)	39						
Comment							