

Bridge Inspection									
Bridge File Number	02291 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1987/1987				Lot No.	2			
Bridge or Town Name	DIDSBURY				Inspector Name	Dave Lam			
Located Over	TRIBUTARY TO LONEPINE CREEK, 3.46.21.4, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	582:04 C1 20.418				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Jul-2011			
Legal Land Location	NW SEC 14 TWP 31 RGE 27 W4M				Data Entry By	Marcia Chavez			
Longitude, Latitude	-113:43:49, 51:39:50				Data Entry Date	15-Aug-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien			
Contract Main. Area	CMA29				Review Date	27-Jul-2011			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Andrew Smikles			
AADT/Year	590 / 2010 (A)				Dept. Review Date	29-Aug-2011			
Road Classification	RCU-210-110				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:	MS23						----> 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									

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	No passing both directions.				
Vertical Alignment			8	8					
Roadway Width (m)		10.000			(ACP has been overlayed. 01/Feb/2006).				
Approach Bump			5	5	Cracks in ACP @ abuts. W abut is slightly higher than E abut causing bump traveling through site. Timber planks worn & rotting (photo).				
Guardrail (Y/N)		Yes							
Guardrail			7	7					
Length (m)		11.880							
Current Standard (Y/N)		No			Insufficient posts/spacing & length. Not thriebeam.				
Termination Type		Turn Down							
Drainage			8	8					
Approach Road General Rating			8	8					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 11, 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	0.0	0.0	0.0	0.0	
Wearing Surface			X	X	Crack in connection pocket grout, typical (photo).
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			6	6	Minor edge spall in some girders.
Deck Rideability			8	8	
Deck Joints			8	8	Buffer angles. Minor.
Bump (Y/N)		Yes			
Deck Drainage			8	8	No drains.
Drains Clogged (Y/N)					
Curbs/Median			8	8	
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Tube type 75 x 100mm. 700mm high.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	0	0	0	0	
Girders			6	6	Narrow diagonal cracks @ ext girder bottoms @ abutments. Long. hairline crack in centre of girder, full length (photo). Wide cracks @ all connector grout pockets.
Last Complete Inspection Date		16-Jul-2011			
Cracking (Y/N)		Yes			
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) : 1000)						
(Total Number of Caps/Corbels : 1:1)				Crowned HP.		
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				9	9	
(Type : STEEL)						
(Depth(mm) : 305)						
(Width(mm) : 305)						
Backwalls/Breastwalls			5	5		
Greatest Height (m)		3.60				
Wingwalls			9	9		
(Total Number of Bearing Piles : 7:7)				Some piles slightly deformed, probably during driving. HP.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	0	0	0	0		
Piles				7	7	
Paint/Coating			9	6		
Top flange of cap superficial corrosion. Cap & pile painted black.						
Abutment Stability			9	9		
Scour/Erosion			9	9		
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 :)						
(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 :)						
Pier Stability			X	X		

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Curves @ both ends.
(D/S Direction : N)				
Alignment		5	5	
Bank Stability		7	7	
HWM (m below Top of Curb)	1.2			(1998/02/05). HWM not visible.
Drift (Y/N)	No			
Slope Protection		9	9	Some small rock.
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(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	2011	Consider chipsealing or ACP overlay.					
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	2011	Patch ACP where delaminated from top of sheathing at both abuts.					
OTHER ACTION	2011	Upgrade approach guardrail to meet standard.					
OTHER ACTION	2015	Raise East abutment @ next rehab/road upgrade.					
OTHER ACTION	2011	Redo girder connections & regrout pockets.					
Structural Condition Rating (Last/Now) (%)	72.2/72.2	Sufficiency Rating (Last/Now) (%)	69.4/69.2	Est. Repl. Yr	2044	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	16-Oct-2014		Previous Inspection Date	22-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							