

Bridge Inspection									
Bridge File Number	72091 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1980/1980				Lot No.	2			
Bridge or Town Name	ARDMORE				Inspector Name	Todd Warshawski			
Located Over	TRIBUTARY TO MURIEL CREEK, 7.5.2, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	892:02 C1 8.787				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Dec-2011			
Legal Land Location	SW SEC 12 TWP 62 RGE 4 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-110:28:49, 54:20:49				Data Entry Date	11-Jan-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA08				Review Date	30-Dec-2011			
Clear Roadway/Skew	13.7 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,530 / 2010 (A)				Dept. Review Date	18-Jan-2012			
Road Classification	RCU-210-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28		Semi	CS2 49		Train	CS3 62	
Design Loading:	MS23							----> On Critical Spans ---->Critical Member	
----> Primary Span									
Posting Information									
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	Not required.								
Hazard Marker At Bridge (Y/N)	Yes								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	West r/w.				Gas	2 @ 50m & 70m North of bridge.			
Power	70m NE				Municipal				
Others	Electric fence				Problem (Y/N)	Yes			
Remarks	Fence wiring on caps.								
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Well entrance to NW.				
Vertical Alignment			8	8					
Roadway Width (m)		12.000			Numerous wide ACP cracks in both approaches - photo.				
Approach Bump			5	5					
Guardrail (Y/N)		Yes			Not attached to bridge. Accident damage to 3 sections/posts @ NE, broken post @ SW 135 degree angle - photos. Insufficient length, post/spacing. Not thrie beam transition. Too low - photo.				
Guardrail			4	4					
Length (m)		23.000							
Current Standard (Y/N)		No							
Termination Type		Turned Down							
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 6, 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	20.0	0.0	0.0	0.0	
Wearing Surface			6	6	Wide longitudinal crack length of span between girders.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over. Wide crack over both joints ACP.
Bump (Y/N)	Yes				
Deck Drainage			7	7	No drains.
Drains Clogged (Y/N)					
Curbs/Median			4	4	Vertical cracks @ base of posts, staining. Lift pockets not grouted in East curb - photo. Minor spall @ corners from plow.
(Curb Type : Standard)					
Scaling (Percent Area)	0				
Bridge Rail			7	7	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
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)	
Last					
Now					
Girders			5	5	Hairline longitudinal crack along length of east curb unit about mid point.
Last Complete Inspection Date	15-Dec-2011				
Cracking (Y/N)	Yes				Stains along patched area on G5.-photo
Spalling (Percent Area)	0				
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 12)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating			5	5	

Substructure								
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
(Extended Backwall Piles (Y/N) : Y)				Tintop damaged on NW.				
(Extended Backwall Piles Spacing(mm) : 1500)								
(Total Number of Caps/Corbels : 3:3)				Piles anchored with clamps & scabs. Caps & crowned subcaps over 3 piles. No petrotac on cap. Dirt accumulation on top of caps at ends.				
Bearing Seats/Caps/Corbels Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now								
Bearing Seats/Caps/Corbels			5				5	
(Type : TREATED TIMBER)								
(Depth(mm) : 305)								
(Width(mm) : 356)								
Backwalls/Breastwalls			N				7	
Greatest Height (m)		2.30						
Wingwalls			7	7				
(Total Number of Bearing Piles : 13:13)								
Piles Detail Ratings								
	N (count)	1 (count)	2 (count)				3 (count)	
Last								
Now								
Piles			6				5	
Paint/Coating			X				X	
Abutment Stability			7				7	
Scour/Erosion			N				N	
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)								

Substructure				
Bridge Component		Last	Now	Explanation of Condition
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)	Yes			Old piles in channel.
Substructure General Rating		5	5	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				Unknown.
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible
Drift (Y/N)	No			
Slope Protection		N	N	(Void behind North backwall. 2002/03/19)
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	G.R. carried forward from 07/June/2005 but slope protection problem not verified since 19/Mar/2003.

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS	2012	Grout East curb lift pockets/seal curbs.					
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION	2012	(Lower North backwall sheathing and riprap (10m3-both abut) 2003/03/19) complete if not done.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Upgrade approach guardrail to meet standard, replace damaged sections & posts.					
OTHER ACTION	2012	Seal ACP cracks @ abutment joint & at approaches.					
OTHER ACTION	2012	Replaced damaged tintop.					
OTHER ACTION	2012	Remove old piles in channel.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	60.2/60.0	Est. Repl. Yr	2045	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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	15-Mar-2015		Previous Inspection Date	12-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							