

Bridge Inspection									
Bridge File Number	80905 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1985/1985				Lot No.	2			
Bridge or Town Name	ANZAC				Inspector Name	Wade Nanninga			
Located Over	MEADOW CREEK, 8.11.39.4.1.1.1, WATERCRS-ST				Inspector Class	BR CLS B			
Located On	881:24 C1 11.759				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	08-Sep-2010			
Legal Land Location	SW SEC 33 TWP 83 RGE 6 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-110:53:36, 56:14:14				Data Entry Date	28-Sep-2010			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA07				Review Date	15-Sep-2010			
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	870 / 2009 (A)				Dept. Review Date	05-Oct-2010			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	250								
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	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)	No								
Remarks	Required.								
Other Sign Types	"Meadow Creek"								
Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others	Bell fibre optics West r/w.				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			9	9	In bottom of long sag curve. Grade South of bridge.				
Vertical Alignment			7	7					
Roadway Width (m)	9.400				SE & NW - 53.2m; SW & NE - 45.6m. Insufficient posts - photo, no timber blocks where required.				
Approach Bump			7	7					
Guardrail (Y/N)	Yes								
Guardrail			7	7					
Length (m)	45.600								
Current Standard (Y/N)	No								
Termination Type	Turned Down								
Drainage			8	8					
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>SM, 3 Spans, Lengths(m): 6-8-6, A-Ident Number: </b> )					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			7	4	Pothole at N abut.-photo Transverse crack in ACP over pier/abut.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>50</b> )					
Lateral Connection Problem (Y/N)		Yes			
Deck Top			N	N	(Top of girders scaling. 25/Aug/2003)
Deck Rideability			7	7	
Deck Joints			5	5	(Buffer angles. 3 patched North end. 25/Aug/2003) North abutment patched, still slight bump.
Bump (Y/N)		No			
Deck Drainage			7	7	No drains. Connector pocket stains and spot corrosion underside of girders. Old erosion scars on headslope prior to ACP overlay.
Drains Clogged (Y/N)					
Curbs/Median			5	4	Scraped by grader, typical both curbs. NW has rebar exposed.
(Curb Type : <b>Standard</b> )					
Scaling (Percent Area)		5			
Bridge Rail			4	4	Double layer. Poor joint @ SE & NW, missing splice bolts SE.
(Type : <b>GALVANIZED STEEL FLEX BEAM</b> )					
Bridge Rail Posts			8	8	
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			7	7	
(Type : <b>GALVANIZED</b> )					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			4	4	Rust staining of girders from grout pocket connectors. S1/G8, typical diagonal crack less than 0.5m. Local delam. Spot corrosion on bottom of some girders.  Paved over
Last Complete Inspection Date		08-Sep-2010			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : <b>24</b> )					
<b>Span Alignment Problems</b>					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
<b>Superstructure General Rating</b>			<b>4</b>	<b>4</b>	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
<b>Abutments</b>					
(Extended Backwall Piles (Y/N) : <b>Y</b> )					
(Extended Backwall Piles Spacing(mm) : <b>1400</b> )					
(Total Number of Caps/Corbels : <b>3:3</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels				7	6
(Type : <b>TREATED TIMBER</b> )					
(Depth(mm) : <b>356</b> )					
(Width(mm) : <b>305</b> )					
Backwalls/Breastwalls			5	5	
Greatest Height (m)		1.60			
Wingwalls			X	X	No wings. Backwall ext 1m past ext pile.
(Total Number of Bearing Piles : <b>9:9</b> )					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Piles				6	6
Paint/Coating				X	X
Abutment Stability			7	6	
Scour/Erosion			5	4	South headslope eroded from run off leaking between the girders. Erosion gullies. Old erosion prior to ACP wearing surface.
<b>Piers/Bents</b>					
(Type : <b>PIER-COLUMN</b> )					
(Total Number of Caps/Corbels : <b>3:3</b> )					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Bearing Seats/Caps/Corbels				4	4
(Type : <b>TREATED TIMBER</b> )					
(Depth(mm) : <b>300</b> )					
(Width(mm) : <b>300</b> )					
Poor alignment of girders on South pier SE location, midspan bearing 220mm, abutment span bearing 130mm - photo. P2 West end missing core section @ end, prone to rot - photo.					

Substructure						
Bridge Component				Last	Now	Explanation of Condition
(Total Number of Bearing Piles : <b>9:9</b> )				Deep vertical check in 50% piles. Some banded.		
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				4	5	
Greatest Height (m)		3.20				
Bracing/Struts/Sheathing				3	5	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				8	7	
Scour				8	7	
Debris (Y/N)		No				
<b>Substructure General Rating</b>				<b>4</b>	<b>4</b>	
Structure Usage						
				Last	Now	Explanation of Condition
<b>Channel</b>						
(U/S Direction : <b>W</b> )						
(D/S Direction : <b>E</b> )						
Alignment				7	7	
Bank Stability				8	8	
HWM (m below Top of Curb)				HWM not visible.		
Drift (Y/N)		Yes				
Slope Protection (Type : <b>NONE; NONE</b> )				5	4	Erosion gullies on South headslope, prior to installation of ACP wearing surface.
Guidebank/Spurs				X	X	
Adequacy of Opening				8	8	
(Fish Compensation Measure 1 : <b>NONE</b> )						
(Fish Compensation Measure 2 : <b>NONE</b> )						
<b>Channel General Rating</b>				<b>7</b>	<b>5</b>	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install missing splice bolts @ SE corner, reinstall sections with improper splice lap.					
SEAL CURBS							
PATCH DECK	2010	pothole @ N abut.					
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	2010	Install hazard markers at all corners.					
OTHER ACTION	2010	Seal ACP cracks over abutment / piers.					
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>44.4/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>51.0/48.8</b>	Est. Repl. Yr	2028	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	08-Dec-2013		Previous Inspection Date	14-Jun-2007			
Inspection Cycle (Default) (months)	39						
Comment							