

Bridge Inspection									
Bridge File Number	70000 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1993/1993				Lot No.	2			
Bridge or Town Name	EDSON				Inspector Name	Wade Nanninga			
Located Over	EDSON RIVER, 8.11.107.25, WATERCRS-ST				Inspector Class	BR CLS A			
Located On	748:02 C1 17.663				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	16-Apr-2013			
Legal Land Location	SW SEC 29 TWP 54 RGE 17 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-116:28:54, 53:41:25				Data Entry Date	23-Apr-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA13				Review Date	21-Apr-2013			
Clear Roadway/Skew	8 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	980 / 2012 (A)				Dept. Review Date	01-May-2013			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	40								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	CS750						----> 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	Edson River.								

Utilities (Located at)									
Utility Attachments									
Telephone					Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									

Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	4	Field entrances all 4 corners, curve to east.				
Vertical Alignment			7	4					
Roadway Width (m)	9.200				Aproaches have settled 25mm.				
Approach Bump			5	5					
Guardrail (Y/N)	Yes				A few minor dents. No thrie beam/fleat				
Guardrail			5	5					
Length (m)	11.500								
Current Standard (Y/N)	No								
Termination Type	Turn Down								
Drainage			7	7					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SC, 3 Spans, Lengths(m): 10.7-12.2-10.7, 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					
Wearing Surface			5	6	Cracks over piers.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			6	6	
Deck Joints			N	N	Buffer angles. Paved over.
Bump (Y/N)		No			
Deck Drainage			4	4	No drains. Drainage from deck is eroding SW headslope.
Drains Clogged (Y/N)		No			
Curbs/Median			6	4	Chipped at corners and a few grader scrapes. Shallow cover exposing rebar.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			6	6	2 layer. Non standard splice
(Type : GALVANIZED STEEL FLEX BEAM)					
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			7	7	
Last Complete Inspection Date					
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 24)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			7	7	

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1500)						
(Total Number of Caps/Corbels : 4:4)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Scaling rust.
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				4	5	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				6	6	
Greatest Height (m)		1.70				
Wingwalls				X	X	
(Total Number of Bearing Piles : 9:9)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Pile 1 on E abutment is split. - photo 5mm checks in 50% piles
Last	0	0	0	0		
Now						
Piles				4	4	
Paint/Coating				4	4	Scaling rust.
Abutment Stability				6	6	
Scour/Erosion				4	4	5x1x0.5m(lwd ersion scour on SW headslope.
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 2:2)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Double wide East pier cap has heavy scalling.
Last	0	0	0	0		
Now						
Bearing Seats/Caps/Corbels				4	5	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		Scaling rust. Pile 2 twisted at SB - construction steel H-pile
Last	0	0	0	0		
Now						
Pier Shaft/Piles				5	5	
Greatest Height (m)		5.50				
Bracing/Struts/Sheathing				5	6	
Nose Plate				5	5	Pitting rust.

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		4	4	Heavy scalling on pier cap.
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	6	
Scour		7	N	
Debris (Y/N)	No			
Substructure General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				Gentle curve upstream.
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		5	4	Some sloughing.
HWM (m below Top of Curb)				No HWM visible.
Drift (Y/N)	No			
Slope Protection		4	4	Headslope is eroding above riprap.
(Type : RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		6	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK	2013	Patch spalls, seal.					
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	Treat/band P1A2.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	61.1/61.1	Sufficiency Rating (Last/Now) (%)	59.4/56.4	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor E pier cap corrosion.		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	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	16-Jul-2016		Previous Inspection Date	20-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							