

Bridge Inspection											
Bridge File Number	74282 W-1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1994/1994				Lot No.	2					
Bridge or Town Name	MAYERTHORPE				Inspector Name	Kris Bosters					
Located Over	LITTLE PADDLE RIVER, 8.11.84.30.19, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	43:16 L1 41.948				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	03-Oct-2011					
Legal Land Location	SE SEC 31 TWP 57 RGE 8 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:10:30, 53:57:53				Data Entry Date	25-Oct-2011					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA12				Review Date	22-Oct-2011					
Clear Roadway/Skew	13.4 / -20 deg. (LHF)				Dept. Reviewer Name	Brent Herrick					
AADT/Year	6,970 / 2010 (A)				Dept. Review Date	26-Oct-2011					
Road Classification	RAU-213.4-120				Follow-Up By						
Detour Length (km)	1										
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)		In Advance (Y/N)		At Bridge (Y/N)				
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No			
Remarks	Not required. WB traffic only.										
Hazard Marker At Bridge (Y/N)	No										
Remarks	Not required.										
Other Sign Types											
Utilities (Located at)											
Utility Attachments											
Telephone	n R.W				Gas						
Power					Municipal						
Others					Problem (Y/N)	No					
Remarks											
Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			8	7	Intersection 200m W of bridge. East approach patched.						
Vertical Alignment			7	7	Bulb ends @ West.						
Roadway Width (m)	12.400				Wide cracks in ACP at approach						
Approach Bump			6	5							
Guardrail (Y/N)	Yes				Minor crease in NW guardrail but functional.						
Guardrail			6	6	NE - 51.8m; SE - 45.8m; NW - 32.8m; SW - 8.3m.						
Length (m)	45.800										
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 : SCC, 3 Spans, Lengths(m): 12-14-12, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	50	0	0	0	
Now					
Wearing Surface			5	6	Chipseal wearing off at approaches.
(Material Type :)					
(Thickness(mm) :)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			7	N	Buffer angles.
Bump (Y/N)		No			
Deck Drainage			5	5	Minor staining undersides of girders @ deck drains. Water staining and wet N end pier 2.-photo
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	Vertical cracks approx every 1m & at rail posts. South fascia is 25% peeled coating. Transverse and longitudinal cracking along the tops of the curbs. Light scaling on tops of curbs. Snow covered.
(Curb Type : Standard)					
Scaling (Percent Area)		10			
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			8	8	Not visible.
Last Complete Inspection Date		02-Oct-2011			
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 36)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	8	

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						
Now						
Bearing Seats/Caps/Corbels			8	8		
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			N	5	Fill settled under A2.	
Greatest Height (m)		1.50				
Wingwalls			7	7		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1					
Now	1	0	0	0		
Piles			N	N		
Paint/Coating			5	5		
Abutment Stability			8	8		
Scour/Erosion			5	5		
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Bearing Seats/Caps/Corbels			8	8		
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Pier Shaft/Piles			8	8		
Greatest Height (m)		6.20				
Bracing/Struts/Sheathing			8	8		
Nose Plate			X	X		
Paint/Coating			7	7		
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		N	4	(NW cut vertical bank, partially protected with erosion matting.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	Yes			
Slope Protection		7	7	Class 2
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		9	9	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
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	2011	Seal cracks in ACP at approaches.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	72.4/72.4	Est. Repl. Yr	2054	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor leakage at N end pier 2.		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	Arnold Assenheimer		Previous Assistant's Name				
Next Inspection Date	03-Jul-2013		Previous Inspection Date	14-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							