

Bridge Inspection											
Bridge File Number	71290 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1990/1990				Lot No.	2					
Bridge or Town Name	MAYERTHORPE				Inspector Name	Arnold Assenheimer					
Located Over	TRIBUTARY TO PADDLE RIVER, 8.11.84.30.35, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	647:02 C1 1.071				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	27-Jul-2012					
Legal Land Location	SE SEC 2 TWP 57 RGE 11 W5M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-115:31:16, 53:53:25				Data Entry Date	30-Jul-2012					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA12				Review Date	30-Jul-2012					
Clear Roadway/Skew	8.8 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	260 / 2011 (A)				Dept. Review Date	02-Aug-2012					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	50										
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	MS230									----> 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	500mm offline & not to std height.										
Other Sign Types	"Little Paddle River"										
Utilities (Located at)											
Utility Attachments	TELEPHONE UTILITIES-PHONE LINE										
Telephone	South r/w.				Gas						
Power	2 lines North r/w.				Municipal						
Others					Problem (Y/N)	No					
Remarks											
Approach Road											
			Last	Now	Explanation of Condition						
Horizontal Alignment			8	8	Bottom of sag curve, limited sight distance in both directions. Looking						
Vertical Alignment			6	6							
Roadway Width (m)	10.200				Both approaches patched.						
Approach Bump			5	5							
Guardrail (Y/N)	Yes				Guardrail terminates at 135 degree brackets. Insufficient length/posts. Missing splice bolts all four corners - post split SW.- photo.						
Guardrail			4	4							
Length (m)	11.800										
Current Standard (Y/N)	No										
Termination Type	Turn Down										
Drainage			N	7							
Approach Road General Rating			6	6							

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 1 Spans, Lengths(m): 10, 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				2.0	
Wearing Surface		6	3	Longitudinal wide crack at girder line EBL. Hole EBL East end.-photo	
(Material Type : ACP)					
(Thickness(mm) : 100)					
Lateral Connection Problem (Y/N)	Yes				
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		N	N	Paved over. Minor West abutment.	
Bump (Y/N)	Yes				
Deck Drainage		N	7		
Drains Clogged (Y/N)	No				
Curbs/Median		5	5	Moderate scaling, spall face S.	
(Curb Type : Standard)					
Scaling (Percent Area)	30				
Bridge Rail		4	4	Double layer. Missing splice bolts on every splice - photo #4. Incorrectly spliced.	
(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				1	
Now				3	
Girders		3	3	Spall G1 West end - photo Smaller spall East end & North corner. Typical diagonal crack less than 0.5m. Stains from connector pockets.	
Last Complete Inspection Date	27-Jul-2012				
Cracking (Y/N)	Yes				
Spalling (Percent Area)	1				
Lift or Connector Pocket Grouted (Y/N)	Yes				
(Number Of Girders : 8)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating		3	3		

Substructure						
Bridge Component				Last	Now	Explanation of Condition
Abutments						
(Extended Backwall Piles (Y/N) : Y)						
(Extended Backwall Piles Spacing(mm) : 1800)						
(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				6	6	
(Type : STEEL)						
(Depth(mm) : 300)						
(Width(mm) : 300)						
Backwalls/Breastwalls				7	7	Old abutment at A1 missing planks to retain fill at both abutments.
Greatest Height (m)		2.30				
Wingwalls				7	7	Two pile wingwalls. 50mm gap between planks on NE wingwall.
(Total Number of Bearing Piles : 7:7)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now						
Piles				7	7	250 HP piles.
Paint/Coating				4	4	Scaling, pitting rust.
Abutment Stability				8	8	
Scour/Erosion				5	5	
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)	Yes			Old piles/abutment backwall in SB. Logs caught in D/S (South) fence.
Substructure General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : N)				Meandering stream.
(D/S Direction : S)				
Alignment		5	5	
Bank Stability		N	5	Banks sloughing downstream.
HWM (m below Top of Curb)	2.0			
Drift (Y/N)	Yes			
Slope Protection		N	5	
(Type : NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(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							
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	2012	Reinstall hazard markers to standard.					
OTHER ACTION	2012	Patch girder spalls.					
OTHER ACTION	2012	Patch ACP.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	51.9/53.6	Est. Repl. Yr	2037	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor corrosion of caps and piles and girder cracks.		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	Jacob Oresile		Previous Assistant's Name				
Next Inspection Date	27-Oct-2015		Previous Inspection Date	28-Jan-2009			
Inspection Cycle (Default) (months)	39						
Comment							