

Bridge Inspection											
Bridge File Number	71381 -1 Bridge				Form Type	PCS					
Year Built/Year Supstr	1982/1982				Lot No.	2					
Bridge or Town Name	MEANOOK				Inspector Name	Eric Carcoux					
Located Over	PRICE CREEK, 8.11.69.1, WATERCRS-ST				Inspector Class	BR CLS A					
Located On	663:02 C1 48.176				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	29-Mar-2010					
Legal Land Location	SE SEC 4 TWP 65 RGE 23 W4M				Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:24:34, 54:35:14				Data Entry Date	19-Apr-2010					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer					
Contract Main. Area	CMA10				Review Date	15-Apr-2010					
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick					
AADT/Year	410 / 2009 (A)				Dept. Review Date	27-Apr-2010					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	6										
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	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	Set 1m above curb, NE damaged, posts bent. Bolts loose @ SW.-photo									
Other Sign Types										

Utilities (Located at)										
Utility Attachments										
Telephone	North r/w.				Gas					
Power	26m South of c/l (outside fence) & 30m E.				Municipal					
Others					Problem (Y/N)		No			
Remarks										

Approach Road									
		Last	Now	Explanation of Condition					
Horizontal Alignment		7	7	Intersection with RR 233 jct 40m NE. Crest curve to West, limited sight distance.					
Vertical Alignment		6	6						
Roadway Width (m)	9.300								
Approach Bump			5	5	Only to be type rail sections terminating @ ground.				
Guardrail (Y/N)	No								
Guardrail			X	X					
Length (m)									
Current Standard (Y/N)	No								
Termination Type	None								
Drainage			7	7					
Approach Road General Rating				6	6				

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					
Wearing Surface			6	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	7	
Deck Joints			N	N	Paved over.
Bump (Y/N)		Yes			
Deck Drainage			5	5	(Maybe some ponding along South curb. 09/Oct/2003)
Drains Clogged (Y/N)					
Curbs/Median			N	5	Some abrasion damage, some small chips on exterior curb fascia.
(Curb Type : Standard)					
Scaling (Percent Area)		0			
Bridge Rail			4	7	Bridgerail terminal end; missing bolt at connection with bridgerail.
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			7	7	Superficial corrosion on bottom of post base plates.
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			N	5	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	5	Staining U/S @ some girder connection locations G1, G2.
Last Complete Inspection Date		10-Mar-2010			Spot corrosion in U/S of some girders, most likely not from strands.
Cracking (Y/N)		No			Hairline longit. cracking @ W.end of G2.
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes			
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			8	5	

Substructure									
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
(Extended Backwall Piles (Y/N) : Y)									
(Extended Backwall Piles Spacing(mm) : 1300)									
(Total Number of Caps/Corbels : 3:3)				Sub cap. 300 x 300. Petrotac covered. Steel bearing plates.					
Bearing Seats/Caps/Corbels Detail Ratings									
	N (count)	1 (count)	2 (count)				3 (count)		
Last									
Now									
Bearing Seats/Caps/Corbels							7	7	
(Type : TREATED TIMBER)									
(Depth(mm) : 350)									
(Width(mm) : 305)									
Backwalls/Breastwalls							4	N	East backwall too high, material exposed.-17-Nov-2006 No material loss. Backwall clamps 150mm too low East, 300mm to low West.
Greatest Height (m)		3.00							
Wingwalls				7	7				
(Total Number of Bearing Piles : 10:10)									
Piles Detail Ratings									
	N (count)	1 (count)	2 (count)	3 (count)					
Last									
Now									
Piles				6	6				
Paint/Coating				X	X				
Abutment Stability				5	5				
Scour/Erosion				4	N	Ice covered.			
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 :)									

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	Yes			Old backwall and piles left along West side.
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		6	6	
Bank Stability		8	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	N	Ice cover over scour along E. abut.
(Type : NATURAL; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	Gr carried fwd from 14-Nov-2006

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	2010	Install / lower East abutment front sheathing, if not done.					
PLACE ADDITIONAL RIP RAP	2010	10m3, if not done.					
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2010	Trim old piles @ West abutment.					
OTHER ACTION	2010	Install approach guardrail to meet standard.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	72.2/55.6	Sufficiency Rating (Last/Now) (%)	69.2/62.6	Est. Repl. Yr	2033	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	29-Jun-2013		Previous Inspection Date	17-Nov-2006			
Inspection Cycle (Default) (months)	39						
Comment							