

Bridge Inspection										
Bridge File Number	73363 -1 Bridge				Form Type	PCS				
Year Built/Year Supstr	1979/1979				Lot No.	2				
Bridge or Town Name	NEWBROOK				Inspector Name	Todd Warshawski				
Located Over	NAMEPI CREEK, 6.57, WATERCRS-ST				Inspector Class	BR CLS B				
Located On	661:10 C1 29.443				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	23-Jul-2010				
Legal Land Location	SW SEC 5 TWP 62 RGE 21 W4M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-113:06:59, 54:19:36				Data Entry Date	16-Aug-2010				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer				
Contract Main. Area	CMA07				Review Date	26-Jul-2010				
Clear Roadway/Skew	10.1 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	320 / 2009 (A)				Dept. Review Date	26-Aug-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)	No								
Remarks	Not required.								
Other Sign Types									

Utilities (Located at)										
Utility Attachments										
Telephone	South r/w.				Gas					
Power	2 wires 15m North of centerline.				Municipal					
Others					Problem (Y/N)	Yes				
Remarks	Utility voids on curb girders are exposed-photo									

Approach Road										
		Last	Now	Explanation of Condition						
Horizontal Alignment		7	7	Field entrances both directions.						
Vertical Alignment		9	9							
Roadway Width (m)	10.000				Uncompacted ACP on SE corner.					
Approach Bump			5	4						
Guardrail (Y/N)	Yes				Guardrail not attached to bridgerail.					
Guardrail			4	3	Guardrail is to low, and is below bridgerail height at NE corner.-photo					
Length (m)	19.000				Several locations of strike damage -still functional					
Current Standard (Y/N)	No				Poor alignment on SE corner.					
Termination Type	Turned Down									
Drainage			7	7						
Approach Road General Rating		7		7						

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			4	5	5% of chip seal scraped off by plow.
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			5	6	
Deck Joints			N	N	Paved over.
Bump (Y/N)		No			
Deck Drainage			N	6	No drains, short span.
Drains Clogged (Y/N)		No			
Curbs/Median			N	5	Plow scrapes on north & south curbs.
(Curb Type : Standard)					
Scaling (Percent Area)		1			
Bridge Rail			4	4	Double layer. Improper lapping. Missing 32 splice bolts. Minor strike damage on N rail. SE post missing 1 nut.
(Type : GALVANIZED STEEL FLEX BEAM)					
Bridge Rail Posts			N	3	
(Type : GALVANIZED POST STEEL; GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	1.5m + of water in channel. Girders viewed from banks.
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	7	0	0	0	
Girders			5	5	HL longitudinal cracks on all girders in center. Longitudinal cracks in curb girder on exterior fascia approx 250mm from both.-2/27/07 Utility voids on curb girders exposed.
Last Complete Inspection Date		27-Feb-2007			
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)					
(Number Of Girders : 9)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure					
Bridge Component		Last	Now	Explanation of Condition	
Abutments					
(Extended Backwall Piles (Y/N) : Y)					
(Extended Backwall Piles Spacing(mm) : 1200)					
Backwall clamps installed approx 300m below pile top. Backwall clamp broken 3rd from SW. (Bottom of backwall sheathing not low enough - pitrun spilling through, typical both abutments. 2000/04/06)					
(Total Number of Caps/Corbels : 3:3)					
East cap pushed out 90mm. Sub caps 300 x 300.-02-27-2007					
Bearing Seats/Caps/Corbels Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	1	0	0	0	
Bearing Seats/Caps/Corbels				5	N
(Type : TREATED TIMBER)					
(Depth(mm) : 350)					
(Width(mm) : 300)					
Backwalls/Breastwalls			N	N	
Greatest Height (m)		3.00		Backwall clamps installed approx 300m below pile top. Backwall clamp broken 3rd from SW. (Bottom of backwall sheathing not low enough - pitrun spilling through, typical both abutments. 2000/04/06)	
Wingwalls			4	4	
Broken plank on SW wingwall. NE wingwall is heaving.					
(Total Number of Bearing Piles : 10:10)					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now	20	0	0	0	
Piles				5	N
Paint/Coating				X	X
Abutment Stability				6	N
Scour/Erosion				N	N
Fill erosion beside end of SE, NE & NW wingwall.					
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 :)					
150 x 200 struts					
Piles Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Pier Shaft/Piles				X	X
Greatest Height (m)					
Bracing/Struts/Sheathing			7	7	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		X	X	
Debris (Y/N)	No			
Substructure General Rating		4	4	GR carried fwd
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				
(D/S Direction :)				
Alignment		7	9	
Bank Stability		7	7	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	
(Type : NATURAL; NATURAL)				
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL	2010	Install missing post nut. Repalce/reinstall 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	2010	Replace SW wingwall top plank.					
OTHER ACTION	2010	Replace / reset guardrail to meet standard.					
OTHER ACTION	2010	Seal off utility voids on curb girders.					
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	64.9/64.8	Est. Repl. Yr	2029	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	23-Oct-2013		Previous Inspection Date	27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							