

Bridge Inspection										
Bridge File Number	85014 P-3 Bridge					Form Type	SS			
Year Built/Year Supstr	2005/2005					Lot No.	4			
Bridge or Town Name	EDMONTON					Inspector Name	Wade Nanninga			
Located Over	NORTH SASKATCHEWAN RIVER, 6, WATERCRS-ST					Inspector Class	BR CLS A			
Located On	TRAIL-PED					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	26-Jan-2013			
Legal Land Location	SE SEC 4 TWP 52 RGE 25 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:36:55, 53:27:35					Data Entry Date	10-Feb-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	27-Jan-2013			
Clear Roadway/Skew	4 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year						Dept. Review Date	14-Feb-2013			
Road Classification						Follow-Up By				
Detour Length (km)	1									
Allowable Load (t):	Single		Semi		Train					----> On Critical Spans ---->Critical Member
Design Loading:										----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	5.8	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.8	In Advance (Y/N)	No
Remarks	East end.											
Required Load Posting (t)			Single		Semi		Truck Train					
Posted Loading (t)			Single		Semi		Truck Train					
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				
Posted:	Lane	EB	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			Gas	
Power	Conduit along hangers & cross members to lighting.		Municipal	
Others	Lights on cross members.		Problem (Y/N)	No
Remarks				

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Guardrail not required.
Vertical Alignment		8	8	
Roadway Width (m)	3.000			
Approach Bump		8	8	
Guardrail (Y/N)	No			
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)	No			
Termination Type	None			
Drainage		8	8	
Approach Road General Rating		8	8	

Superstructure								
Bridge Component		Last	Now	Explanation of Condition				
(Primary Span : SSA, 4 Spans, Lengths(m): 55.7-100-100-57.5, A-Ident Number:)								
Special Features								
Special Feature			X					
(Type :)								
Special Feature			X					
(Type :)								
Wearing Surface/Deck Top Detail Ratings								
	N (%)	1 (%)	2 (%)	3 (%)				
Last	0	0	0	0				
Now	20.0	0.0	0.0	0.0				
Wearing Surface			X	X				
(Material Type :)								
(Thickness(mm) :)								
Deck Top			9	9				
Deck Rideability			9	9				
Deck Joints			8	8				
Temperature (deg. C)		-10						
(Expansion Type : SLIDING PLATES)								
(Fixed Type :)								
Gap Size (mm)		Gap Location						
310		East abutment - A2						
310		West abutment - A1						
Deck Drainage			7	7	No deck drains.			
Drains Clogged (Y/N)		No						
Curbs/Median			8	8				
(Curb Type : Standard)								
Scaling (Percent Area)		0						
Bridge Rail			8	8	Several anchor bolt nuts are not fully engaged (2-3 threads) and missing washers. rust spots at a few locations.			
(Type : GALVANIZED STEEL BRIDGE TUBE)								
Bridge Rail Posts			4	4				
(Type : GALVANIZED POST STEEL)								
Bridge Rail/Posts Coating			5	5				
(Type : GALVANIZED)								
Sidewalk			X	X	Hanger cross member. Hangers.			
Top Chord			X	X				
Diagonals			8	8				
Verticals			8	8				
Connections			8	8				
Floor Beams			8	8				
Bottom Chord			X	X				
Stringers			8	8				
Girders			8	8			Difficult to view center girders due to length of bridge.	
Diaphragms/Cross Frame			8	8				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : SSA, 4 Spans, Lengths(m): 55.7-100-100-57.5, A-Ident Number:)				
Paint Condition		9	9	Weathering steel girders. Floor beams & bracing - galvanized.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		8	8	
Temperature (deg. C)	-10			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	Difficult to view center of bridge due to length over river.
Stains (Percent Area)	0			
(Snow Slots Filled :)				
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				
Bearing Seats/Caps/Corbels		8	8	
(Type : CONCRETE)				
(Depth(mm) :)				
(Width(mm) :)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		8	8	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				Pier caps - designated as cross braces between main pier shafts.
Bearing Seats/Caps/Corbels		8	8	
(Type : CONCRETE)				est
(Total Number of Bearing Piles : 2:2:2)				
Pier Shaft/Piles		8	8	
Greatest Height (m)	28.00			
Bracing/Struts/Sheathing		8	8	
Nose Plate		9	9	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	
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		9	9	
Bank Stability		5	5	Cut banks D/S.
HWM (m below Top of Curb)	13.4			(Recorded HWM during construction. EL624.0m. 07/Nov/2005)
Drift (Y/N)	No			
Slope Protection		7	7	East headslope.
(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		5	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	88.9/88.9	Sufficiency Rating (Last/Now) (%)	85.5/88.0	Est. Repl. Yr	2080	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor handrail 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	26-Oct-2014		Previous Inspection Date	29-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							