

Bridge Inspection										
Bridge File Number	85072 -1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2007/2007					Lot No.	4			
Bridge or Town Name	34 AVENUE OVER ANTHONY HENDAY DRIVE (HIGHWAY 216) AT EDMONTO					Inspector Name	Wade Nanninga			
						Inspector Class	BR CLS A			
Located Over	216:04 R1 11.872;216:04 L1 11.858					Assistant Name				
Located On	LOCAL ROAD					Assistant Class				
Water Body Cl./Year						Inspection Date	28-Feb-2013			
Navigabil. Cl./Year						Data Entry By	Theresa Lacusta			
Legal Land Location	NE SEC 5 TWP 52 RGE 23 W4M					Data Entry Date	20-Mar-2013			
Longitude, Latitude	-113:20:41, 53:27:55					Reviewer Name	Eric Carcoux			
Road Authority	AREL					Review Date	14-Mar-2013			
Contract Main. Area	ANTHONY HENDAY DRIVE					Dept. Reviewer Name	Eric Carcoux			
Clear Roadway/Skew	10.4 /					Dept. Review Date	22-Mar-2013			
AADT/Year	100 / 2013 (E)					Follow-Up By				
Road Classification	UAU-209.0-070									
Detour Length (km)	3									
Allowable Load (t):	Single	CS1 28			Semi	CS2 49		Train	CS3 62	----> On Critical Spans ---->Critical Member
Design Loading:	CL800									----> Primary Span

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			Yes									
Posted:	Lane	NB	On Bridge (m)	7.0	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	5.6	In Advance (Y/N)	Yes
Remarks		5.6 on off ramp.										
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												
Other Sign Types												

Utilities (Located at)					
Utility Attachments					
Telephone	West & East r/w.			Gas	
Power	Street lighting, 2 wires NW.			Municipal	
Others				Problem (Y/N)	No
Remarks					

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Intersections with stop sign both ways. Typical grade separation crest curve.
Vertical Alignment		7	6	
Roadway Width (m)		7.900		Wide cracks @ approaches sealed - settled 10mm.
Approach Bump		7	5	
Guardrail (Y/N)		Yes		
Guardrail		6	8	
Length (m)		59.000		
Current Standard (Y/N)		Yes		
Termination Type		Terminal		
Drainage		5	6	
Approach Road General Rating		7	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : NU, 2 Spans, Lengths(m): 44.908-40.208, 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	Random wide cracking - sealed.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			X	X	
Temperature (deg. C)					
(Expansion Type :)					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
Deck Drainage			8	8	No drains.
Drains Clogged (Y/N)					
Curbs/Median			8	8	
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Sidewalk steel railing. Traffic rail concrete barrier.
(Type : GALVANIZED STEEL VERTICAL BAR)					
Bridge Rail Posts			4	8	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			8	8	
(Type : GALVANIZED)					
Sidewalk			6	7	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders			8	4	Hairline - narrow crack in web of girder 5 @ NW -typ NU crack.
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 5)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 44.908-40.208, A-Ident Number:)				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	Viewed with binoculars due to height.
Temperature (deg. C)	8			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		8	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		5	7	
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		8	8	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4)				Hairline map cracking
Pier Shaft/Piles		8	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	7	Cream.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		8	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		X	X	
Type				
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		4	N	Ponding along bottom of slopes.-25-Apr-2011
Grade Separation General Rating		8	8	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
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) (%)	88.9/61.1	Sufficiency Rating (Last/Now) (%)	78.2/66.2	Est. Repl. Yr	2080	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor girder cracking.		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	Eric Caroux		Previous Assistant's Name				
Next Inspection Date	28-Nov-2014		Previous Inspection Date	25-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							