

Bridge Inspection													
Bridge File Number	85069 -1 Bridge					Form Type	PSR						
Year Built/Year Supstr	2007/2007					Lot No.	3						
Bridge or Town Name	34 STREET OVER ANTHONY HENDAY DRIVE (HIGHWAY 216) AT EDMONTO					Inspector Name	Wade Nanninga						
						Inspector Class	BR CLS A						
Located Over	216:04 R1 17.300;216:04 L1 17.343					Assistant Name							
Located On	LOCAL ROAD					Assistant Class							
Water Body Cl./Year						Inspection Date	27-Feb-2013						
Navigabil. Cl./Year						Data Entry By	Theresa Lacusta						
Legal Land Location	NE SEC 25 TWP 51 RGE 24 W4M					Data Entry Date	20-Mar-2013						
Longitude, Latitude	-113:23:39, 53:26:07					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	1,000 / 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	WB	On Bridge (m)	6.0	In Advance (Y/N)	Yes	Lane	EB	On Bridge (m)	5.9	In Advance (Y/N)	Yes	
Remarks													
Required Load Posting (t)		Single			Semi			Truck Train					
Posted Loading (t)		Single			Semi			Truck Train					
Posted:	Lane	NB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				No	
Posted:	Lane	SB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No				No	
Remarks		Not required.											
Hazard Marker At Bridge (Y/N)		Yes											
Remarks		Mounted @ end of approach rails.											
Other Sign Types													
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	Street lighting.					Municipal							
Others						Problem (Y/N)	No						
Remarks													
Approach Road													
			Last	Now	Explanation of Condition								
Horizontal Alignment			7	7	Unravelling/potholes @ both approaches.								
Vertical Alignment			7	7									
Roadway Width (m)			10.500										
Approach Bump			5	4									
Guardrail (Y/N)			Yes										
Guardrail			8	8									
Length (m)			65.000										
Current Standard (Y/N)			Yes										
Termination Type			Fleat										
Drainage			7	7									
<b>Approach Road General Rating</b>			<b>7</b>	<b>7</b>									

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : <b>NU, 2 Spans, Lengths(m): 36.907-36.907, A-Ident Number: )</b>					
<b>Special Features</b>					
Special Feature			X		
(Type : )					
Special Feature			X		
(Type : )					
<b>Wearing Surface/Deck Top Detail Ratings</b>					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface			8	6	Wide cracks sealed.
(Material Type : <b>ACP</b> )					
(Thickness(mm) : <b>80</b> )					
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)		No			
Curbs/Median			8	8	
(Curb Type : <b>SINGLE SLOPE CONCRETE BARRIER;Standard</b> )					
Scaling (Percent Area)		0			
Bridge Rail			8	8	Sidewalk railing.
(Type : <b>GALVANIZED STEEL VERTICAL BAR</b> )					
Bridge Rail Posts		4	8		
(Type : <b>GALVANIZED POST STEEL;GALVANIZED POST STEEL</b> )					
Bridge Rail/Posts Coating			8	8	
(Type : <b>GALVANIZED</b> )					
Sidewalk			7	7	
<b>Girder Detail Ratings</b>					
	N (count)	1 (count)	2 (count)	3 (count)	
<b>Last</b>					
<b>Now</b>					
Girders			8	8	
Cracking (Y/N)		No			
Spalling (Percent Area)		0			
(Number Of Girders : <b>5</b> )					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : <b>NU, 2 Spans, Lengths(m): 36.907-36.907, A-Ident Number: )</b>				
Diaphragms/Cross Frame		8	8	
Bearings		8	8	Viewed with binoculars.
Temperature (deg. C)	-5			
(Expansion Type : <b>REINFORCED PAD BEARING</b> )				
(Fixed Type : <b>REINFORCED PAD BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	
Stains (Percent Area)	0			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>8</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		N	N	
Paint/Coating		N	6	3% peeling at South MSE wall.
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : <b>PIER-COLUMN</b> )				
Bearing Seats/Caps		8	8	
(Type : <b>CONCRETE</b> )				
(Total Number of Bearing Piles : <b>4</b> )				Hairline map cracking on piles.
Pier Shaft/Piles		8	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		8	7	Cream. 1% peeling on piles.
(Colour Description : )				
(Colour Code : )				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
<b>Substructure General Rating</b>		<b>8</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		8	8	Curve to east.
Traffic Safety Features		8	8	
Type	Lighting			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		7	7	
<b>Grade Separation General Rating</b>		<b>7</b>	<b>7</b>	

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	2013	patch at both abutments.					
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/83.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>76.7/72.4</b>	Est. Repl. Yr	2080	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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	27-Nov-2014		Previous Inspection Date	25-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							