

Bridge Inspection										
Bridge File Number	85068 -1 Bridge					Form Type	SG			
Year Built/Year Supstr	2007/2007					Lot No.	3			
Bridge or Town Name	50 STREET OVER ANTHONY HENDAY DRIVE (HIGHWAY 216) AT EDMONTO					Inspector Name	Shane Hall			
						Inspector Class	BR CLS A			
Located Over	216:04 R1 18.871;216:04 L1 18.913;RAMP 3167-1 H;RAMP 3167-1 A					Assistant Name				
						Assistant Class				
Located On	LOCAL ROAD					Inspection Date	13-Feb-2013			
Water Body Cl./Year						Data Entry By	Theresa Lacusta			
Navigabil. Cl./Year						Data Entry Date	11-Mar-2013			
Legal Land Location	NW SEC 25 TWP 51 RGE 24 W4M					Reviewer Name	Eric Carcoux			
Longitude, Latitude	-113:25:04, 53:26:06					Review Date	10-Mar-2013			
Road Authority	AREL					Dept. Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Dept. Review Date	22-Mar-2013			
Clear Roadway/Skew	16.3 /					Follow-Up By				
AADT/Year										
Road Classification										
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	EB	On Bridge (m)	6.3	In Advance (Y/N)	Yes	Lane	WB	On Bridge (m)	6.4	In Advance (Y/N)	Yes
Remarks		EB on ramp 6.6, WB on ramp 6.5										
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				
Posted:	Lane	SB	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		60 kph., numerous ramp directional & speed limit signs.										

Utilities (Located at)											
Utility Attachments											
Telephone						Gas					
Power						Municipal					
Street lighting.						Problem (Y/N) No					
Others											
Remarks											

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	South approach slabs settled 50-100mm creating dip at approaches.
Vertical Alignment		7	7	
Roadway Width (m)		16.300		
Approach Bump		7	4	
Guardrail (Y/N)		Yes		
Guardrail		8	8	
Length (m)		99.000		
Current Standard (Y/N)		Yes		
Termination Type		Terminal		
Drainage		8	8	
<b>Approach Road General Rating</b>		<b>7</b>	<b>7</b>	

Superstructure							
Bridge Component		Last	Now	Explanation of Condition			
(Primary Span : <b>WG, 2 Spans, Lengths(m): 55.317-55.317, A-Ident Number: A1760-02</b> )							
<b>Special Features</b>							
Special Feature			X				
(Type : )							
Special Feature			X				
(Type : )							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)	2 (%)	3 (%)			
<b>Last</b>							
<b>Now</b>							
Wearing Surface			7	4	200mm x 400mm pothole adjacent to NW paving lip.-photo		
(Material Type : <b>ACP</b> )							
(Thickness(mm) : <b>80</b> )							
Deck Top			N	N			
Deck Rideability			8	8			
Deck Joints			8	5	Water staining visible between backwall and deck between G1-G4 at South abut.(photo) and between G4-G5 at North abut.(photo)		
Temperature (deg. C)		7					
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )							
(Fixed Type : )							
Gap Size (mm)		Gap Location					
70		South Abutment					
65		North Abutment					
Deck Drainage			8	8	No drains.		
Drains Clogged (Y/N)		No					
Curbs/Median			5	7	Singleslope barrier.		
(Curb Type : <b>Standard</b> )							
Scaling (Percent Area)		0					
Bridge Rail			8	8	Sidewalk railing.		
(Type : <b>VERTICAL BAR; GALVANIZED STEEL BRIDGE TUBE</b> )			Insufficient threads on 11 A/B on sidewalk.				
Bridge Rail Posts			4	4			
(Type : <b>GALVANIZED POST STEEL</b> )							
Bridge Rail/Posts Coating			8	8			
(Type : <b>GALVANIZED</b> )							
Sidewalk			8	8			
<b>Girder/Beam</b>							
Cover Plate			X	X			
Flange			8	8			
Web			8	8			
Stiffeners			8	8			
Splice			8	8			
Weld			8	8			
Diaphragms/Cross Frame			8	8			

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
<b>(Primary Span : WG, 2 Spans, Lengths(m): 55.317-55.317, A-Ident Number: A1760-02)</b>				
Paint Condition		8	8	Weathering steel.
(Colour Description : )				
(Colour Code : )				
Touchup Required (Y/N)	No			
Bearings		8	8	Viewed with binoculars.
Temperature (deg. C)	7			
(Expansion Type : <b>POT BEARING</b> )				
(Fixed Type : <b>PINNED BEARING</b> )				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	5	Transverse cracking with efflorescence throughout.
Stains (Percent Area)	2			
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>8</b>	<b>5</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats/Caps		8	8	Viewed from median - No problems evident.
(Type : <b>CONCRETE</b> )				
Backwalls/Breastwalls		8	8	
Wingwalls		7	7	
Piles		N	N	
Paint/Coating		5	5	
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>7</b> )				
Pier Shaft/Piles		8	8	
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			
<b>Substructure General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	9	
Traffic Safety Features		8	8	
Type	Lighting			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		8	8	
<b>Grade Separation General Rating</b>		<b>8</b>	<b>8</b>	

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	2013	Repair pothole at North paving lip.					
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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/72.2</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>78.2/70.7</b>	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor water infiltration between deck and backwalls at both abutments.		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	13-Nov-2014		Previous Inspection Date	25-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							