

Bridge Inspection										
Bridge File Number	85022 E-1 Bridge					Form Type	PSR			
Year Built/Year Supstr	2007/2007					Lot No.	3			
Bridge or Town Name	EDMONTON					Inspector Name	Kris Bosters			
Located Over	PARSONS ROAD;CPR					Inspector Class	BR CLS A			
Located On	216:04 L1 23.266					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	14-Feb-2013			
Legal Land Location	NW SEC 28 TWP 51 RGE 24 W4M					Data Entry By	Lisa Fairhurst			
Longitude, Latitude	-113:28:59, 53:26:15					Data Entry Date	11-Mar-2013			
Road Authority	AREL					Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	10-Mar-2013			
Clear Roadway/Skew	29.9 /					Dept. Reviewer Name	Eric Carcoux			
AADT/Year	53,850 / 2011 (A)					Dept. Review Date	22-Mar-2013			
Road Classification	RFD-412.4-110					Follow-Up By				
Detour Length (km)	1									
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)	6.0	In Advance (Y/N)	Yes	Lane	SB	On Bridge (m)	6.0	In Advance (Y/N)	No
Remarks		NB posted on bridge 85022 NE3, SB posted on BF 85022 W2.										
Required Load Posting (t)			Single				Semi				Truck Train	
Posted Loading (t)			Single				Semi				Truck Train	
Posted:	Lane	WB	At Junction (Y/N)				In Advance (Y/N)				At Bridge (Y/N)	
Posted:	Lane	EB	At Junction (Y/N)		No		In Advance (Y/N)		No		At Bridge (Y/N)	
Remarks		Not required.										
Hazard Marker At Bridge (Y/N)			No									
Remarks												
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			8	8	Slight horizontal & vertical curves.
Vertical Alignment			8	8	
Roadway Width (m)		18.800			Wide crack in ACP at approaches (photo).
Approach Bump			5	5	
Guardrail (Y/N)		Yes			
Guardrail			8	8	
Length (m)		87.000			
Current Standard (Y/N)		Yes			
Termination Type		Terminal			
Drainage			4	N	Snow covered
Approach Road General Rating			4	4	(100mm wide x 100mm deep erosion gullies on SE approach road slope (photo) - May 5 2011) GR carried forward from 2011

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : NU, 2 Spans, Lengths(m): 27-27, A-Ident Number:)						
Special Features						
Special Feature			X			
(Type :)						
Special Feature			X			
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)	Snow/gravel in gutter	
Last	0	0	0	0		
Now	5.0	0.0	0.0	0.0		
Wearing Surface			6	6	Random longitudinal & transverse cracks, 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)		-10				
(Expansion Type :)						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
Deck Drainage			8	8	No drains.	
Drains Clogged (Y/N)		No				
Curbs/Median			8	8	Random vert. narrow cracks on outside face. Random hairline map cracks inside face. Bottom 1/4 of curb covered in snow.	
(Curb Type : SINGLE SLOPE CONCRETE BARRIER)						
Scaling (Percent Area)		0				
Bridge Rail			X	X		
(Type :)						
Bridge Rail Posts			X	X		
(Type :)						
Bridge Rail/Posts Coating			X	X		
(Type :)						
Sidewalk			X	X		
Girder Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Girders			8	8	Viewed from ground with binoculars.	
Cracking (Y/N)		No				
Spalling (Percent Area)		0				
(Number Of Girders : 18)						
Diaphragms/Cross Frame			8	8		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : NU, 2 Spans, Lengths(m): 27-27, A-Ident Number:)				
Bearings		8	8	Viewed with binoculars.
Temperature (deg. C)	-10			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type :)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	Narrow longitudinal cracks under curb control joint locations.
Stains (Percent Area)	0			
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		8	8	
(Type : CONCRETE)				
Backwalls/Breastwalls		5	5	Narrow vert crack at SW and NE wall
Wingwalls		7	7	Narrow vertical cracking up to 300 long on SW wingwall. Random map cracks at 4 walls
Piles		N	N	
Paint/Coating		8	5	Paint peeling at wingwalls at a few locations
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				Hairline map cracking @ 300mm spacing.
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 5)				
Pier Shaft/Piles		8	8	Buttress - hairline map cracking @ 300mm.
Bracing/Struts/Sheathing		7	7	
Nose Plate		X	X	
Paint/Coating		8	8	Cream.
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	S curves.

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		8	8	Guardrail along sidewalk on west side.
Type	Guardrail/Lighting			
Slope Protection		8	8	
(Type : GRAVEL; GRAVEL)				
Bank Stability		8	8	
Drainage		8	8	
Grade Separation General Rating		7	7	

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	Seal cracks in deck ACP at approaches.					
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) (%)	83.3/83.3	Sufficiency Rating (Last/Now) (%)	58.4/58.0	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	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	14-Nov-2014		Previous Inspection Date	05-May-2011			
Inspection Cycle (Default) (months)	21						
Comment							