

Bridge Inspection										
Bridge File Number	85015 -1 Bridge					Form Type	SG			
Year Built/Year Supstr	2005/2005					Lot No.	3			
Bridge or Town Name	EDMONTON					Inspector Name	Wade Nanninga			
Located Over	216:06 R1 8.263;216:06 L1 8.304					Inspector Class	BR CLS A			
Located On	TERWILLEGAR DRIVE:02 R1 0.987;TERWILLEGAR DRIVE:02 L1 0.875					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	26-Feb-2013			
Legal Land Location	SE SEC 34 TWP 51 RGE 25 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:36:04, 53:26:38					Data Entry Date	13-Mar-2013			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	11-Mar-2013			
Clear Roadway/Skew	20.8 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year						Dept. Review Date	20-Mar-2013			
Road Classification	UAU-412.2-80					Follow-Up By				
Detour Length (km)	10									
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	EB	On Bridge (m)	6.1	In Advance (Y/N)	No	Lane	WB	On Bridge (m)	6.1	In Advance (Y/N)	No
Remarks												
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			CL800 design load. Posting not required.									
Hazard Marker At Bridge (Y/N)		Yes										
Remarks												
Other Sign Types												

Utilities (Located at)										
Utility Attachments										
Telephone						Gas				
Power	HT 11 wires over North approach. Street lights.					Municipal				
Others	Traffic cameras.					Problem (Y/N)	No			
Remarks										

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	
Vertical Alignment		8	8	
Roadway Width (m)	20.800			
Approach Bump		6	7	
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)	45.000			
Current Standard (Y/N)	Yes			
Termination Type	Fleat			
Drainage		4	N	
Approach Road General Rating		8	8	

Superstructure						
Bridge Component		Last	Now	Explanation of Condition		
(Primary Span : WG, 2 Spans, Lengths(m): 46-46, A-Ident Number: A1689-01)						
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 longitudinal and transverse cracks in ACP.	
(Material Type : ACP)						
(Thickness(mm) : 80)						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	4	Grout along paving lip - crack repairs. 1 missing snow plow deflector @ N.	
Temperature (deg. C)		-5				
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))						
(Fixed Type :)						
Gap Size (mm)		Gap Location				
60		North abutment				
65		South abutment				
Deck Drainage			8	3	No drain. 2 inch drain tube @ NE missing allowing water to drain onto abutment seat.	
Drains Clogged (Y/N)		No				
Curbs/Median			7	7	Narrow cracks on top of curb at 1m o/c.	
(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/Beam						
Cover Plate			X	X		
Flange			9	9		
Web			9	9		
Stiffeners			9	9		
Splice			9	9		
Weld			9	9		
Diaphragms/Cross Frame			9	9		

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : WG, 2 Spans, Lengths(m): 46-46, A-Ident Number: A1689-01)				
Paint Condition		9	9	Weathering steel.
(Colour Description :)				
(Colour Code :)				
Touchup Required (Y/N)	No			
Bearings		9	9	
Temperature (deg. C)	-5			
(Expansion Type : REINFORCED PAD BEARING)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		8	8	Cracks with deffloresence extending from curb construction joints.
Stains (Percent Area)	1			
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		9	7	Staining/narrow cracking at corners where drain tubes extend down.
(Type : CONCRETE)				
Backwalls/Breastwalls		8	8	
Wingwalls		8	8	
Piles		X	N	
Paint/Coating		8	8	
Abutment Stability		9	9	
Scour/Erosion		4	4	Erosion gullies & settlement along abutments and down SW headslope - photo.-2--Apr-2011 Heaving headslopes
Piers/Bents				
(Type : PIER-COLUMN)				Hairline map cracking.
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 4)				
Pier Shaft/Piles		9	8	
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		9	8	Cream.
(Colour Description :)				
(Colour Code :)				
Pier Stability		9	9	
Scour		X	X	
Debris (Y/N)	No			

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		8	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	9	
Traffic Safety Features		9	9	Guardrail on median side.
Type	Lighting			
Slope Protection		5	4	Local settlement on slope & cast block settled & uneven. Type: Concrete Lock Blocks.-200mm gap at abutments.
(Type : CONCRETE; CONCRETE)				
Bank Stability		7	7	
Drainage		7	7	
Grade Separation General Rating		5	4	

Next Inspection Date	26-Nov-2014	Previous Inspection Date	29-Apr-2011
Inspection Cycle (Default) (months)	21		
Comment			