

Bridge Inspection									
Bridge File Number	85021 E3-2 Bridge				Form Type	CON			
Year Built/Year Supstr	2006/2006				Lot No.	3			
Bridge or Town Name					Inspector Name	Kris Bosters			
Located Over	2:32 L1 20.303				Inspector Class	BR CLS A			
Located On	216:06 L1 0.000				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	Theresa Lacusta			
Longitude, Latitude	-113:29:23, 53:26:14				Data Entry Date	12-Mar-2013			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	ANTHONY HENDAY DRIVE				Review Date	10-Mar-2013			
Clear Roadway/Skew	22 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	51,020 / 2011 (A)				Dept. Review Date	13-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:							----> Primary Span		

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)												
Posted:	Lane	SB	On Bridge (m)	5.9	In Advance (Y/N)	Yes	Lane	NB	On Bridge (m)	5.9	In Advance (Y/N)	No
Remarks	5.4m post on structure 7 SB.											
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)	No				
Remarks	Not required.											

Hazard Marker At Bridge (Y/N)	Yes											
Remarks												
Other Sign Types												

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

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Off ramp @ SE.
Vertical Alignment		7	7	
Roadway Width (m)	19.700			East approach bump settled ~10mm.
Approach Bump		4	4	10mm transverse crack at West approach slab.-photo
Guardrail (Y/N)	Yes			
Guardrail		8	8	
Length (m)	93.000			
Current Standard (Y/N)	Yes			
Termination Type	Turned Down			
Drainage		4	4	SW drain trough cracked-photo
Approach Road General Rating		8	8	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : CV, 2 Spans, Lengths(m): 48-48, 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			8	6	Transverse and longitudinal crack in deck sealed.
(Material Type : ACP)					
(Thickness(mm) : 80)					
Deck Top			N	N	
Deck Rideability			8	8	
Deck Joints			3	3	Staining from leakage on NE abutment seal.-photo East gland has tear i-150mm long.-photo Snow plow deflector missing W joint North end.-photo Leaking at SW corner of bridge.
Temperature (deg. C)		-2			
(Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC))					
(Fixed Type :)					
Gap Size (mm)		Gap Location			
105	Abutment 1 - West				
110	Abutment 2 - East				
Deck Drainage			8	4	Leakage from SW spilling onto abutment seat and deteriorating wingwall at cold joint.-photo
Drains Clogged (Y/N)		No			
Curbs/Median			6	5	Narrow vertical cracks @ 300mm. Caulking peeling at control joints. Paint peeling on outside face.
(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	
Girders			4	4	Narrow horizontal crack 200mm from bottom & at girder ends. Paint on girders is peeling.
Diaphragms/Cross Frame			X	X	
Bearings			8	8	
Temperature (deg. C)		-2			
(Expansion Type : POT BEARING)					
(Fixed Type : POT 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				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CV, 2 Spans, Lengths(m): 48-48, A-Ident Number:)				
Superstructure General Rating		4	4	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats		8	8	
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	Med. cracks @ cold joints NW & NE, SW, & SE.
Piles		N	N	
Paint/Coating		4	4	Peeling @ SW & SE abutment 5%.
Abutment Stability		8	8	
Scour/Erosion		8	8	
Piers/Bents				
(Type : PIER-COLUMN)				Shrinkage cracks on all bearing seats.
Bearing Seats/Caps		5	5	
(Type : CONCRETE)				Hairline map cracking on all piers.
Pier Shaft/Piles		5	5	
Nose Plate		X	X	
Paint/Coating		4	4	1% peeling.
(Colour Description :)				Cream.
(Colour Code :)				
Pier Stability		8	8	
Scour		8	8	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Traffic Safety Features		8	8	
Type	Guardrail			
Slope Protection		8	5	5mm wide longitudinal crack at base of concrete.
(Type : CONCRETE; CONCRETE)				
Bank Stability		8	8	
Drainage		8	8	
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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS	2013	Repair E gland.					
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION	2013	Repair drain trough at SW.					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2013	Seal cracks in ACP approaches.					
OTHER ACTION	2013	Replace missing snow plow deflection at joints.					
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	50.0/50.0	Sufficiency Rating (Last/Now) (%)	50.9/50.9	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	Arnold Assenheimer		Previous Assistant's Name	Wade Nanninga			
Next Inspection Date	14-Nov-2014		Previous Inspection Date	25-Apr-2011			
Inspection Cycle (Default) (months)	21						
Comment							