

Bridge Inspection													
Bridge File Number	85040 -1 Bridge					Form Type	CON						
Year Built/Year Supstr	2001/2001					Lot No.	2						
Bridge or Town Name	ELLER/CAL TR					Inspector Name	Kris Bosters						
Located Over	2:32 R1 18.827;2:32 L1 18.886					Inspector Class	BR CLS A						
Located On	ELLERSLIE ROAD:02 R1 0.085;ELLERSLIE ROAD:02 L1 0.092					Assistant Name							
Water Body Cl./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date	05-May-2011						
Legal Land Location	NE SEC 20 TWP 51 RGE 24 W4M					Data Entry By	Theresa Lacusta						
Longitude, Latitude	-113:29:39, 53:25:29					Data Entry Date	11-May-2011						
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Arnold Assenheimer						
Contract Main. Area	ANTHONY HENDAY DRIVE					Review Date	10-May-2011						
Clear Roadway/Skew	22.8 /					Dept. Reviewer Name	Brent Herrick						
AADT/Year						Dept. Review Date	25-May-2011						
Road Classification	UAD-409.0-070					Follow-Up By							
Detour Length (km)	3												
Allowable Load (t):	Single	CS1 28			Semi	CS2 49			Train	CS3 62			----> On Critical Spans ---->Critical Member
Design Loading:	CS750										----> Primary Span		
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)		Yes											
Posted:	Lane	NB	On Bridge (m)	5.9	In Advance (Y/N)	No	Lane	SB	On Bridge (m)	5.9	In Advance (Y/N)	No	
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					
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		Information signs on bridge.											
Utilities (Located at)													
Utility Attachments													
Telephone						Gas							
Power	Street lights, North & South sides.					Municipal							
Others	Pipeline East r/w.					Problem (Y/N)	No						
Remarks													
Approach Road													
				Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	Intersections at both ends & lights.							
Vertical Alignment				8	8								
Roadway Width (m)		21.000				Wide longitudinal crack in ACP over roof slab at approaches in EB lane.							
Approach Bump				6	6								
Guardrail (Y/N)		No											
Guardrail				X	X								
Length (m)													
Current Standard (Y/N)													
Termination Type													
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 : CV, 4 Spans, Lengths(m): 29.5-33.5-33.5-29.5, A-Ident Number: )						
<b>Special Features</b>						
Special Feature			X	Rest area/column end sidewalls. Wide crack in rest area sidewall @ SW corner - photo. Narrow to medium cracks in architectural columns on South side @ East & West ends.		
(Type : )						
Special Feature			X	Columns for lights have medium vertical cracks.		
(Type : )						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
<b>Last</b>						
<b>Now</b>						
Wearing Surface			8	8		
(Material Type : <b>ACP - UNKNOWN POLYMER OVERLAY</b> )						
(Thickness(mm) : <b>50</b> )						
Deck Top			N	N		
Deck Rideability			8	8		
Deck Joints			8	8		
Temperature (deg. C)		12				
(Expansion Type : <b>GLAND (WABO-MAUER, TRANSFLEX, ETC)</b> )						
(Fixed Type : )						
Gap Size (mm)		Gap Location				
76		East abutment				
76		West abutment				
Deck Drainage			8	8		
Drains Clogged (Y/N)		No				
Curbs/Median			4	4	Failing patch on sidewalk side near center on road side - photo. Large spall 300 x 300 near East end on sidewalk - photo. Spall 500 x 300 in South barrier, road side @ West end - photo. 15% of paint peeling/flaking on South curb - photo.	
(Curb Type : <b>NEW JERSEY</b> )						
Scaling (Percent Area)		1				
Bridge Rail			9	9	Wide crack in curb SW end of bridge.  Flaking and peeling throughout - photo.	
(Type : <b>GALVANIZED STEEL BRIDGE TUBE</b> )						
Bridge Rail Posts			9	9		
(Type : <b>GALVANIZED POST STEEL; GALVANIZED POST STEEL</b> )						
Bridge Rail/Posts Coating			4	4		
(Type : <b>PAINT</b> )						
Sidewalk			7	7	(Minor ponding, locations near mid - photo. 06/Nov/2007)	
Girders			5	4	Narrow cracks, 6.0m long on underside of G1, G3 & G4 running perpendicular to P2.	
Diaphragms/Cross Frame			X	X		
Bearings			9	9	Viewed with binoculars. Rated what was visible. Bearing 1 @ pier 2 partially covered by burlap.	
Temperature (deg. C)		12				
(Expansion Type : <b>POT BEARING</b> )						
(Fixed Type : <b>POT BEARING</b> )						
Coating Adequate (Y/N)		Yes				
Functioning (Y/N)		Yes				
Deck Underside			9	9		
Stains (Percent Area)		0				

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : CV, 4 Spans, Lengths(m): 29.5-33.5-33.5-29.5, A-Ident Number: )				
<b>Span Alignment Problems</b>				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
<b>Superstructure General Rating</b>		<b>5</b>	<b>4</b>	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Abutments</b>				
Bearing Seats		9	9	
Backwalls/Breastwalls		7	7	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		6	5	10% peeling on rest area sidewalls.
Abutment Stability		8	8	
Scour/Erosion		8	8	
<b>Piers/Bents</b>				
(Type : PIER-COLUMN)				
Bearing Seats/Caps		9	9	
(Type : CONCRETE)				
Pier Shaft/Piles		8	7	Random narrow map cracks. Narrow vertical crack pier 3, pile 4.
Nose Plate		X	X	
Paint/Coating		8	8	Beige.
(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	High Speed Corridor.
Traffic Safety Features		8	8	
Type	Guardrail & Lighting			
Slope Protection		6	6	Top of slope protection, separation and caulking broken loose.
(Type : CONCRETE; CONCRETE)				
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	2011	Touch-up paint required on bridgerail.					
RETROFIT BRIDGE RAIL							
SEAL CURBS	2011	Repair spalls in curb barriers.					
PATCH DECK							
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	2011	Repair grout under light post bases.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>72.2/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.5/66.0</b>	Est. Repl. Yr	2080	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracking in rest area sidewall @ SW corner and girders.		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	Shane Hall			
Next Inspection Date	05-Feb-2013		Previous Inspection Date	17-Jul-2009			
Inspection Cycle (Default) (months)	21						
Comment							