

Bridge Inspection										
Bridge File Number	06825 PED-3 Bridge					Form Type	TH			
Year Built/Year Supstr	1982/1982					Lot No.	2			
Bridge or Town Name	LEGISLATURE TUNNEL PEDWAY					Inspector Name	Kris Bosters			
Located Over	LOCAL ROAD					Inspector Class	BR CLS A			
Located On	TRAIL-PED, LEGISLATIVE TUNNEL PEDWAY					Assistant Name				
Water Body Cl./Year						Assistant Class				
Navigabil. Cl./Year						Inspection Date	19-Oct-2012			
Legal Land Location	NW SEC 32 TWP 52 RGE 24 W4M					Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:30:18, 53:32:03					Data Entry Date	23-Oct-2012			
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux			
Contract Main. Area	UNDEFINED CMA					Review Date	22-Oct-2012			
Clear Roadway/Skew	7 /					Dept. Reviewer Name	Brent Herrick			
AADT/Year						Dept. Review Date	13-Nov-2012			
Road Classification						Follow-Up By				
Detour Length (km)										
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	WB	On Bridge (m)	3.2	In Advance (Y/N)	No	Lane	EB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not required. For pedestrian use only. Posting on underside for escape route. Signs dirty from exhaust.										
Required Load Posting (t)			Single			Semi			Truck Train			
Posted Loading (t)			Single			Semi			Truck Train			
Posted:	Lane	NB	At Junction (Y/N)				In Advance (Y/N)			At Bridge (Y/N)		
Posted:	Lane	SB	At Junction (Y/N)				In Advance (Y/N)			At Bridge (Y/N)		
Remarks		Not required. Pedestrian use only.										
Hazard Marker At Bridge (Y/N)		No										
Remarks		Not required. Pedestrian use only, only accessible from inside.										
Other Sign Types		Information.										

Utilities (Located at)											
Utility Attachments											
Telephone						Gas					
Power						Municipal					
Others						Problem (Y/N)	No				
Remarks		Enclosed utility area on East side of pedway. No access to public.									

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		9	9	Enclosed pedway constructed in roof of tunnel crossing 97 Ave.
Vertical Alignment		9	9	
Roadway Width (m)	7.000			
Approach Bump		9	9	
Guardrail (Y/N)				
Guardrail		X	X	
Length (m)				
Current Standard (Y/N)				
Termination Type		None		
Drainage		X	X	
<b>Approach Road General Rating</b>		<b>9</b>	<b>9</b>	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : TH, 1 Spans, Lengths(m): 30.4, A-Ident Number: )					
<b>Special Features</b>					
Special Feature			7	"Enclosed Pedway" Glass wall West side; concrete wall East side. "Lighting/Skylight" In roof of enclosed pedway.	
(Type : )					
Special Feature			7		
(Type : )					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
<b>Last</b>					
<b>Now</b>					
Wearing Surface/Deck Top			8	8	Ceramic tile. 10mm. 100mm.
(Material Type : )					
(Plank Thickness(mm) : )					
(Plank Width(mm) : )					
Deck Rideability			9	9	
Deck Joints			9	9	"Cover Plate" Brass both abutments.
Temperature (deg. C)		3			
(Expansion Type : <b>SLIDING PLATES</b> )					
(Fixed Type : )					
Gap Size (mm)		Gap Location			
0		North abutment			
0		South abutment			
Curbs/Wheel Guards			X	X	
(Curb Type : )					
(Type : <b>CONCRETE</b> )					
(Curb Height(mm) : )					
(Width(mm) : )					
Bridge Rail			X	X	Enclosed - no railing system required.
(Type : )					
Bridge Rail Posts/Blocking			X	X	
(Type : )					
Bridge Rail/Posts Coating			X	X	
(Type : )					
Sidewalk			X	X	Entire structure used for pedestrian access.

Superstructure								
Bridge Component				Last	Now	Explanation of Condition		
(Primary Span : TH, 1 Spans, Lengths(m): 30.4, A-Ident Number: )								
Wide Load Damage (Y/N)	No				Not visible, may be cast into concrete. West side top chord & diagonals only partially visible. Warren truss. Not visible. Not visible. Not visible. Welded, others not visible. Covered by metal flashing in bottom. Not visible.			
High Load Damage (Y/N)	No							
Top Chord			9	9				
Batter Posts			X	X				
Sway Bracings			N	N				
Diagonals			9	9				
Verticals			X	X				
Portals			N	N				
Connections			N	N				
Floor Beams			N	N				
Bottom Chord			N	N				
(No. of Stringers : Null)								
Stringer Detail Ratings								
	N (count)	1 (count)	2 (count)	3 (count)				
<b>Last</b>								
<b>Now</b>								
Stringers			N	N				
(Type : )								
(Width(mm) : )								
(Depth(mm) : )								
(Spacing(mm) : )								
Paint Condition			7	7	Bottom metal flashing exposed to element is dirty from traffic spray. Paint on West truss members in good condition. Brown.			
(Colour Description : )								
(Colour Code : )								
Touchup Required (Y/N)	No							
Bearings			N	N	Not visible.			
Temperature (deg. C)	3							
(Expansion Type : )								
(Fixed Type : )								
Functioning (Y/N)								
Sub Deck/Deck Underside			N	N	Covered by metal flashing.			
(Material Type : CONCRETE)								
(Plank Thickness(mm) : )								
(Plank Width(mm) : )								
Defects (Percent Area)								
<b>Span Alignment Problems</b>								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
<b>Superstructure General Rating</b>			<b>9</b>	<b>9</b>	Based on visible elements.			
Substructure								
Bridge Component				Last	Now	Explanation of Condition		
<b>Abutments</b>								
(Extended Backwall Piles (Y/N) : N)								
(Extended Backwall Piles Spacing(mm) : )								
Integral. Exposed aggregate profile.								

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
<b>(Total Number of Caps/Corbels : 1:1)</b>						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Covered by backwall facia.	
<b>Last</b>	2					
<b>Now</b>	2	0	0	0		
Bearing Seats/Caps/Corbels				N		
(Type : <b>CONCRETE</b> )						
(Depth(mm) : )						
(Width(mm) : )						
Backwalls/Breastwalls				7	7	
Greatest Height (m)						
Wingwalls				X	X	
<b>(Total Number of Bearing Piles : 0:0)</b>						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	All.	
<b>Last</b>	99					
<b>Now</b>	999	0	0	0		
Piles				N		
Paint/Coating				X	X	
Abutment Stability				7	7	
Scour/Erosion				X	X	
<b>Piers/Bents</b>						
(Type : )						
<b>(Total Number of Caps/Corbels : )</b>						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Underside of soffit to roadway.	
<b>Last</b>						
<b>Now</b>						
Bearing Seats/Caps/Corbels				X		
(Type : )						
<b>(Total Number of Bearing Piles : )</b>						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)	Underside of soffit to roadway.	
<b>Last</b>						
<b>Now</b>						
Pier Shaft/Piles				X		
Greatest Height (m)		5.30				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				X	X	
(Colour Description : )						
(Colour Code : )						
Pier Stability				X	X	
Scour				X	X	
Debris (Y/N)		No				

Substructure				
Bridge Component		Last	Now	Explanation of Condition
<b>Substructure General Rating</b>		<b>7</b>	<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		7	7	Horizontal curve & uphill grade to West.
Traffic Safety Features		7	7	
Type	Lighting			
Slope Protection		X	X	
(Type : )				
Bank Stability		8	8	Vertical concrete wall.
Drainage		9	9	Curb & gutter, typical urban drainage condition.
<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							
RETROFIT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPLACE STRIP DECK							
REPLACE SUB DECK							
RESET/ PAINT BEARINGS							
REPAINT SUPERSTRUCTURE							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2012	Wash clearance & Info signs.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>87.6/87.6</b>	Est. Repl. Yr	2048	Maint. Req'd. (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				
Next Inspection Date	19-Jan-2016		Previous Inspection Date	02-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							