							=	ridge I	nspe	ction								
Bridge File Num	ber	06825	E-2 Brid	ge					Foi	т Туре			PSR					
Year Built/Year Supstr		1982/	1982							No.			2					
Bridge or Town	Nama	LEGIS	SI ATLIDE	TIIN	NNEL	EAST				pector N			Kris Bosters					
Located Over	INAITIE		L ROAD	101	ININLL	LAGI				pector C			BR CLS A					
Located On			L ROAD							Assistant Name								
Water Body Cl./	Vear	LOOP	IL NOAD							Assistant Class								
Navigabil. Cl./Ye										Inspection Date		19-Oct-2012						
Legal Land Loca		NW S	EC 32 TV	/P 5	2 RGF	24 W	/4M		Data Entry By			Theresa Lacusta						
Longitude, Latitu							1101			Data Entry Date		24-Oct-2012						
Longitude, Latitude -113:30:27, 53:32:03  Road Authority Alberta Transportation (AIT)				T)			Reviewer Name		Eric Carcoux									
Contract Main. Area UNDEFINED CMA			1011 (7 11	• /			-	Review Date		22-Oct-2012								
Clear Roadway/Skew 20 /				i i						Brent Herrick								
AADT/Year	<u> </u>									pt. Revie		te	13-Nov-2012					
Road Classificat	tion								FOI	low-Up I	Ву							
Detour Length (I		0																
Allowable Load	1					Sem	i				Train				> On Criti	cal Spai	ns	
															>Critical Member			
Design Loading:															> Primary	Span		
Degrational Vant (	Name	os Da	ation or (ma)				Po	sting I	nfor	nation								
Required Vert. 0					,													
Posted Vertical					res	l A -l.		(X / /N I)	NI -		ED		No. Doisley (see)		La Aabaaaa	- /\//\I\	INI-	
Posted: Lane	WB		n Bridge (				ance	, ,	No	Lane	_		On Bridge (m)		In Advance	9 (Y/N)	No	
Remarks			alled on re			oroacr	iing tu	nnei, no	) VC		Eastr	ieadv	valı.	<b>-</b> .	<b>-</b> ·			
Required Load F		(τ)		_	Single					Semi			Truck Train					
Posted Loading	<u> </u>	100			Single					Semi			Truck Train					
Posted:	Lane	WI			At Junc				In Advance (Y/N)		No	At Bridge (Y/N) No						
Posted:	Lane	EE		P	At Junc	tion (	Y/N) No		In Advance (Y/N)		No	At Bridge (Y/N) No						
Remarks		equired																
Hazard Marker /	At Brid	ge (Y/N			rad													
Other Sign Type	\C		Not r		on, Tra	ffic Lie	aht Cr	nood										
Other Sign Type	55		IIIIOI	Hall	JII, ITA	IIIC LIQ		ilities (	oca	ted at)								
Utility Attachme	nts						Οι	llities (	_002	ileu ai)								
Telephone	T	d unde	rground.						Ga			Rurie	d underground	١				
Power			derground	l all a	around					nicipal		City storm system.						
Others	Street	tlights	at East a	proa	ach. Pe		al @ S	E		Problem (Y/N) No								
Remarks	corne	r. Traff	ic light ins	ide t	tunnel.													
Nemarks								Approa	ich F	Road								
							Last	Now		olanatio	n of C	ondi	tion					
Horizontal Align	ment						7	7	On	legislatu	ure gro	ounds	s, for pedestria	n, bic	ycle & vehic	le traffic		
Vertical Alignme							9	9	Are	as with	ramps	& slo	opes.					
Roadway Width			12.60	00					2 la	nes on	East s	ide.				_		
Approach Bump							7	7										
Guardrail (Y/N)			No															
Guardrail							Х	X										
Length (m)																		
Current Stand	ard (Y/	N)																
Termination T	уре		None	:														
Drainage							7	7	Dra	ins into	City s	torm	system.					
Approach Road General Rating				7	7													

					Supers	tructure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Primary Spa	an : <b>PB, 3 Spa</b>	ns, Lengths	m): 12.38-31.	25-12.35	, A-Ide	ent Number: )
Special Feat	tures					
Special Feat	ure				7	Local road is located on East side on top of tunnel.
(Type:)						Exhaust Fans" No evident problems as viewed from ground.
Special Feat	ure				7	Attached to underside of girders near both abutments.  "Ponds & Fountains"
(Type:)						Constructed throughout on grounds.  No evident problems. Shutoff for winter.
Wearing Surf	face/Deck Top	Detail Ratino	ds			
<u> </u>	N (%)	1 (%)	2 (%)	3 (%)		
Last						
Now						
Wearing Sur	face			4	4	Exposed aggregate concrete. Areas of spalling.
(Material T	ype : CONCRI	ETE)				
(Thickness	(mm) : <b>100</b> )					
Lateral Conn	ection Probler	n No				
Deck Top				N	N	
Deck Rideab	ility			7	7	Pedestrian, bicycle & vehicle traffic.
Deck Joints				N	N	Cast-in-place, cracked/failed blockout in deck over tunnel/pedestrian
Temperatu	re (deg. C)	11				concourse.
(Expansion	Type : <b>OTHE</b>	R)				
(Fixed Type	e : <b>OTHER</b> )					
Gap Size (	mm)	Gap	Location			
Deck Draina	ae	<u> </u>		7	5	Drains into City storm system.
Drains Clo		No				Leakage & staining N backwall & N pierphotos
Curbs/Media	<del></del>	111		6	6	Concrete fascia East side with random cracks.
	:: Standard)					Solitore raceta East state man random statistics
	ercent Area)					
Bridge Rail				7	7	Steel tube on concrete SE and steel tube in front of concrete parapet
	NCRETE NO	N-STANDAR	D RAII \		'	NE.
Bridge Rail F		TOTAINDAN	o IVAIL)	7	7	
(Type:)	0010					
Bridge Rail/F	Posts Coating			7	7	
(Type : PA						
	1141)				6	On both sides of least road over Fact side of the set sides of the set of set o
Sidewalk				6	6	On both sides of local road over East side of tunnel along 2 lane roadway.
Girder Detail	Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last						
Now						
Girders				7	7	Visually inspected from ground but poor lighting & height of girders
Cracking (	Y/N)	No				prevent detailed inspection to confirm condition. Need manlift &
	ercent Area)	0				traffic accommodation for detailed inspection. Efflorescence & stains G37/SP2.
	Girders : <b>107</b> )					
	u.u.u . 101)					

			Supers	tructure
Bridge Component		Last		Explanation of Condition
(Primary Span : PB, 3 Spans, I	_engths(m): 12.38-31.2	5-12.3		
Diaphragms/Cross Frame	•	Х	Х	
D :				
Bearings		N	N	Too high & some bearings covered. Viewed from ground with binoculars, looks OK.
Temperature (deg. C)	3			Staining on N abut. bearings.
(Expansion Type : )				
(Fixed Type : )				
Coating Adequate (Y/N)				
Functioning (Y/N)				
Deck Underside		7	7	
Stains (Percent Area)	0			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Ratin	g	7	7	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments		1	111011	
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	Efflorescence & staining North backwall - photo.
				Zinorososino di summigi roma zuomami prioto
Wingwalls		6	6	Random cracks.
Piles		N	N	
Paint/Coating		Х	Х	
Abutment Stability		8	8	
Scour/Erosion		X	X	
Piers/Bents				
(Type : PIER-COLUMN)				Medium random map cracks on cap face.
Bearing Seats/Caps		6	6	Localized efflorescence staining under both pier caps - photos.
(Type : CONCRETE)				6 @ P2; 4 @ P1 - concrete columns.
(Total Number of Bearing Piles	· 10·0)			P2C5, P1C4 & P1C1 with wide cracks in base. Concrete collar
Pier Shaft/Piles		7	7	poured around column.
Bracing/Struts/Sheathing		X	X	
Nose Plate		X	X	
Paint/Coating		X	X	-
(Colour Description : )				
(Colour Code : )				
Pier Stability		7	7	
Scour		Х	Х	
Debris (Y/N)	No			
Substructure General Rating		7	7	

		S	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation			_	
Road Alignment		7	7	97 Ave with horizontal curve through tunnel and uphill grade to West.
Traffic Safety Features			5	1 light burnt out attached to girder u/s. Concrete curb/median in good condition.
Туре	Lighting			Concrete curb/median in good condition.
Slope Protection		X	X	
(Type:)				
Bank Stability		X	X	
Drainage		9	9	Drains into City storm system.
Grade Separation General Ratio	ng	7	7	

			Maintenance Red	commend	ations					
Inspector Recommendations		Year	Inspector Comments		Department Comme	ents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
GALVANIZE/PAINT BRIDGE RAIL										
SEAL CURBS										
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		2012	Investigate cause of leak @ North ab over loading zone.	utment						
OTHER ACTION		2012	Replace burnt out lights.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION  Structural Condition Rating (Last/(%)	Now) 7	77.8/77.	8 Sufficiency Rating (Last/N	low) 5	59.0/69.0 E	st. Repl. Yr	2048	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/	anlift and tr					st. Repl. Yr	2048	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/(%)  Special Comments for  Need ladder or mon girders and be	anlift and tr		(%)		Department	st. Repl. Yr		Maint. Re		Yes
Structural Condition Rating (Last/(%))  Special Comments for Next Inspection  Next Inspection	anlift and tr		(%)		Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/(%)  Special Comments for Next Inspection  Maintenance Reviewed By	anlift and tr		(%)		Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/ (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy	anlift and tr		(%)		Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/ (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N)	anlift and tr	raffic acc	comodation to perform detailed visual i	inspection	Department Comments	st. Repl. Yr				Yes
Structural Condition Rating (Last/ (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action	anlift and tr	raffic aco	comodation to perform detailed visual i	Inspection Previous A	Department Comments  Date	st. Repl. Yr				Yes
Structural Condition Rating (Last/ (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name	anlift and traings.	raffic aco	comodation to perform detailed visual i	Inspection Previous A	Department Comments  Date  Assistant's Name					Yes