Bridge Inspection																
Bridge File Numl	ber	76392	-1 Bridge				7116.5		Form Type		PSR					
Year Built/Year									Lot No.			2				
Supstr									Inspector Name			Jason Rusu				
Bridge or Town I	Name	DEWIN	ITON						Inspector Class			BR CLS A				
Located Over		2:12 L1	28.668;2:	12 R1 28	3.672				Assistant Name							
Located On 2A:06 L1 5.929;2A:06 R1 5.919					5.919			-	Assistant Class							
Water Body Cl./Year								Inspection Date			08-Oct-2011					
Navigabil. Cl./Year									Data Entry By			Erin Roberts				
Legal Land Location NW SEC 21 TWP 2					29 W	1M			Data Entry Date			17-Nov-2011				
Longitude, Latitu	ide	-113:58	3:05, 50:47	:47:55					Reviewer Name			Garry Roberts				
Road Authority Alberta Tra			Transport	neportation (AIT)				-	Review Date			09-Nov-2011				
Contract Main. Area CMA27																
Clear Roadway/	Skew	14.9 / -	11 deg. (Ll	HF)					Dept. Reviewer Name Dept. Review Date			21-Nov-2011				
AADT/Year		25,750	/ 2010 (A)						•			Z 1-NOV-ZU 1 1				
Road Classificat	ion	RAU-2	13.4-120						Follow-Up By							
Detour Length (k	m)	3														
Allowable Load (t): Sin	gle CS	S1 28		Semi	C	S2 49			Train	cs	3 62		> On Critic	al Span	S
														>Critical M		
Design Loading:		HS	S25											> Primary	Span	
Degratined Vant. C		aa Daat	in a. (m)	LINDER					mation							
Required Vert. C				UNDER	K: 2 L1	5.311	1, 2 K1	5.3m								
Posted Vertical (Yes	A -l		(\	\\		00		Ara Darielera (cas)		I A.I	() (/ N I)	V
	NB	On	Bridge (m)	5.3	n Adva	ance	(Y/IN)	Yes	Lane	SB	U	n Bridge (m)	5.7	In Advance	! (Y/IN)	Yes
Remarks	\ 4 ¹	(4)		0: 1								Turnels Tue in				
Required Load P		(t)		Single					Semi				Truck Train			
Posted Loading	. ,			Single					Semi			Truck Train		1		
Posted:	Lane	EB		At Junction (In Advance (Y/N)		No	At Bridge (Y/N) No				
Posted:	Lane	,			tion (Y	/N)	No		In Advance (Y/N)		No At Bridge (Y/N) No					
Remarks		quired														
Hazard Marker A	At Brido	ge (Y/N)	No													
Remarks																
Other Sign Type	S		HVVY I.	D., INFO		117	ulida.	/1	ated at)							
Utility Attachmer	otc.					U	illities	(1=00%	iteu at)							
		ST R/W	1					Ga								
Telephone Power	w EA	O 1 K/VV							Gas Municipal							
Others	Light	standard							oblem (Y	(/NI)	No					
Remarks	Ligiti	Januar	<i>1</i> 3					1.10	וווטוטכן (ז	/11/	140					
Remarks							Appro	ach I	Road							
						Last Now Explanation of Condition										
Horizontal Alignr	nent					7	7	\neg	Limited sight distances, ramps on ends							
Vertical Alignme						5	5		- 3							
Roadway Width			14.900													
Approach Bump	. ,					6	6									
Guardrail (Y/N)																
Guardrail						4	4	Mis	ssing 4 s	splice I	bolts a	at NW and NE	•			
Length (m)			42.000			•		No	t thriebe	am						
Current Standa	ard (Y/	N)	No													
Termination Ty	•			D DOWI	N											
Drainage						6	6									
Approach Road	l Gene	ral Rati	ng			5	5									

						Suners	structure				
Bridge Comp	onent						Explanation of Condition				
(Primary Spa		ns, Len	gths(m	n): 38.1-38.1,			·				
Special Feat				<u>, </u>							
Special Featu						7	Underslung Brackets				
(Type :)							1				
Special Featu	ıre					7	Lateral post tension strands at deck level. Visible only at ends Ends look good.				
(Type :)							1				
Wearing Surf	ace/Deck Tor	Detail F	Ratings	 }							
	N (%)	1 (%)		2 (%)	3 (%)						
Last	0	(11))	0		0					
Now	0.0	0.	.0	0.0	0.0						
Wearing Surf					6	6					
	/pe : CONCR	FTF)			0						
(Thickness)	•	/					Narrow keyway longitudinal crackng @ SBL				
Lateral Conne		m	⁄es								
(Y/N)		I									
Deck Top					N	N					
Deck Rideabi	ility				7	7					
Deck Joints					6	3	FINGERS SIT UP 5mm at WBL				
Temperatur	re (deg. C)	1	10				Fingers dirt filled 4 broken welds @SBL, Minumum 2 at NBL				
(Expansion	Type : GLAN	ID (WAE	во-Ма	UER, TRAN	SFLEX,		- 4 DIORCH WORLD & ODE, WITHINGTH 2 at TVDE				
	ER PLATES										
(Fixed Type	•						Gland joint @ pier & North abut				
Gap Size (mm) Gap Location							_				
90 S ABUT							_				
80			C. pie				_				
71			N. abı	<u>ut </u>			_				
							_				
							_				
Deck Drainag	ne				7	7					
Drains Clog		I	No				1				
Curbs/Mediar	<u> </u>				5	5	Light scaling @ NW, minor corrosion stains.				
	: Standard)										
Scaling (Pe		2	>								
Bridge Rail	. 55/11/11/04/		-		7	7	Approx. 20% nuts not fully engaged				
	EL BRIDGE	TURE					Approx. 2070 hats not raily engaged				
Bridge Rail P		TUBE)			2	2					
(Type : GA	osts LVANIZED P	OST ST	EEL;G	ALVANIZED	3 3 POST		Damaged to 3 posts at median box beam				
ŠŤĖEL)	anta Cantin				7	7	-				
Bridge Rail/P (Type:)	osis Coating				7	7	-				
Sidewalk					Х	Х					
Girder Detail	Ratings										
	N (count)	1 (cou	nt)	2 (count)	3 (cou	unt)					
Last	0	, C		0		0					
Now	0			0		0					
Now	0)	0		0					

			Supers	tructure				
Bridge Component		Last		Explanation of Condition				
(Primary Span : VF, 2 Spans, L	engths(m): 38.1-38.1,	A-Iden		•				
Girders		4	4	Typical cracking extends				
Cracking (Y/N)	Yes			through top chamber into deck under-				
Spalling (Percent Area)	0			side at girder ends. Wide flexrail cu at S2G1				
	(Number Of Girders : 20)			West exterior is corrosion stained @ bottom.				
,				Medium cracking longitudinally est. 2.0 from end. 200mm from				
				bottom of girder on all girders.				
Diaphragms/Cross Frame		5	5	Some diaphragms cracked, spalled & corrosion stained @ bottom @ exteriors.Wide vertical cracks @ patch @ West exterior @ North span.				
Bearings		6	6					
Temperature (deg. C)	10							
(Expansion Type : REINFORO TEFLON AND STAINLESS S	CED NEOPRENE BEA TEEL)	RING V	VITH					
(Fixed Type : REINFORCED I TEFLON AND STAINLESS S		WITH						
Coating Adequate (Y/N)	Yes							
Functioning (Y/N)	Yes							
Deck Underside		5	5	G-4 N span corrosion stains @ deck underside from low cover bar -				
Stains (Percent Area)	5			from West.				
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rating	g	5	4					
			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
- 100001110		T _						
Bearing Seats/Caps		7	7					
Bearing Seats/Caps (Type : CONCRETE)								
Bearing Seats/Caps		6	6					
Bearing Seats/Caps (Type : CONCRETE)								
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls		6	6					
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls		6	6	Isolated peeling of pigmented sealer				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles		6 6 N	6 6 N	Isolated peeling of pigmented sealer				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating		6 6 N 4	6 6 N 4	Isolated peeling of pigmented sealer				
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability		6 6 N 4 8	6 6 N 4 8	Isolated peeling of pigmented sealer				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion		6 6 N 4 8	6 6 N 4 8	Some wide crack @ East side				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents		6 6 N 4 8	6 6 N 4 8					
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type : PIER-SOLID)		6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap				
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps	0)	6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps (Type: CONCRETE)	0)	6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap minor				
Bearing Seats/Caps (Type : CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type : PIER-SOLID) Bearing Seats/Caps (Type : CONCRETE) (Total Number of Bearing Piles	0)	6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap minor				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: Pier Shaft/Piles	0)	6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap minor				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: Pier Shaft/Piles Bracing/Struts/Sheathing	0)	6 6 N 4 8 X	6 6 N 4 8 X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap minor				
Bearing Seats/Caps (Type: CONCRETE) Backwalls/Breastwalls Wingwalls Piles Paint/Coating Abutment Stability Scour/Erosion Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: Pier Shaft/Piles Bracing/Struts/Sheathing Nose Plate	0)	6 6 N 4 8 X X X	6 6 N 4 8 X X	Some wide crack @ East side CORROSION STAINS @ North & South SIDE of cap minor				

			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Pier Stability			8					
Scour			Х					
Debris (Y/N)	No							
Substructure General Rating	Substructure General Rating							
		5	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation	Grade Separation							
Road Alignment		7	7	Retaining wall @ North abut				
Traffic Safety Features		6	4	Accident damage at SW				
Туре	GUARDRAIL							
Slope Protection		6 6		Some settlement - pulled away 100mm and down 100mm @ South				
(Type:)				Sealed with cold mix				
Bank Stability			7					
Drainage		7	7					
Grade Separation General Rati	ng	6	6					

76392 -1 Bridge

			Mainter	nance Recommend	dations					
Inspector Recommendations)	Year	Inspector Comments		Department Com	ments		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	2	2012	Re-weld deck joints							
RESET/ PAINT BEARINGS										
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSI	ON									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2	2012	Replace 3 box beam posts							
OTHER ACTION	2	2011	Repair SW guard rail - 4m s	section						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										_
OTHER ACTION										
Structural Condition Rating (Last/No.)	ow) 6	61.1/55.	Sufficiency Ratir (%)	ng (Last/Now)	58.8/50.1	Est. Repl. Yr	2031	Maint. Red	ηd. (Y/N)	Yes
Special					Department					
Comments for Next Inspection					Comments					
Next inspection										
Maintenance Reviewed By					Date		E	stimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Ro	oberts		Previous	revious Assistant's Name					
Next Inspection Date	08-Jul-2	013		Previous	Inspection Date	22-Feb-2010				
Inspection Cycle (Default) (months)	21									
Comment										