						В	ridge Ir	nspect	tion							
Bridge File Numb	er	79725 -	1 Bridge						і Туре			PT				
Year Built/Year		1929/19	29					Lot No.			3					
Supstr								Inspector Name			Garry Roberts					
Bridge or Town N	lame	1						Inspector Class			BR CLS A					
Located Over		NORTH	BURNT 1 CRS-ST	TIMBER	CREEK,	3.1	06.2,	Assistant Name								
Located On		LOCAL						Assistant Class								
Water Body CI./Y	ear							Inspection Date			01-Mar-2012					
Navigabil. Cl./Yea								Data Entry By				Erin Roberts				
Legal Land Locat		SE SEC	9 TWP 3	0 RGE 9	W5M			Data Entry Date 26-				26-Mar-201	2			
Longitude, Latitude -115:12:06, 51:32:58								Revie	Reviewer Name Tom Ca							
Road Authority Alberta Transportation (AIT)					T)			Review Date			07-Mar-201	2				
Contract Main. Area UNDEFINED CMA							•			Tim Davies						
Clear Roadway/Skew 4.9 /							· ·		ew Date	•	29-Mar-201	2				
AADT/Year		30 / 201	1 (E)					Follo	w-Up	Ву						
Road Classification	on	RLU-20	7G-60													
Detour Length (kr	m)	999			1									1		
Allowable Load (t)): Sin	ngle H 1	8 RINGER	Ser		ni HS 32 STRINGE		D		Train		3 48 RINGER		> On Criti	cal Spans	
Design Loading:		HS				51	RINGE	ĸ			51	RINGER		>Critical Member > Primary Span		
Design Loading.		113	15			Po	sting Ir	oform	ation					> Phinary	Span	
Required Load Po	ostina	ı (t)		Single			18		Semi				Truc	k Train	48	
Posted Loading (t)			Single		18.0		Semi			32.0	-	k Train	48.0			
	, Lane	EB			tion (Y/N			In Advance (Y/N)		/N)	Yes		ridge (Y/N)	Yes		
Posted: I	Lane	WB			tion (Y/N	-	Yes				ce (Y/N) Yes		At Bridge (Y/N)		Yes	
Remarks	W/B ju	unction p	osting is 1		•						,					
Hazard Marker At			No													
Remarks		 ,	Missing	all but S	SE.											
Other Sign Types	5		ONE LA	ANE BRI	DGE, WI	IND	ING RC	DAD								
						Uti	ilities (L	ocate	ed at)							
Utility Attachment	ts															
Telephone								Gas								
Power								Municipal								
Others								Prob	lem (ነ	′/N) N	0					
Remarks																
							Approa	1				len				
Horizontal Alignm	ant					ast 3	Now 3	1		on of Co		nills both end	10			
Vertical Alignmen						3	3			00 0 51	eh i					
Roadway Width (6.000			5	5									
Approach Bump	,		0.000			6	5	1								
Guardrail (Y/N)			No			5	J									
Guardrail						Х	X	1								
Length (m)						-										
Current Standa	rd (Y/	′N)						1								
Termination Typ								1								
Drainage						7	7									
Approach Road	Gene	eral Ratio	na			3	3									
	00110	. ar ream	.9			•										

					Supers	tructure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Primary Spa	an : PT, 1 Spa	ns, Lengt	hs(m): 18.3, A-lo	lent Nun	nber: A	0024-01)
Special Fea	tures				1	
Special Feat	ure					
(Type :)					-	_
Special Feature						
(Type :)						
Wearing Surface/Deck Top Detail Ratings						
	N (%) 1 (%) 2 (%)			3 (%)		_
Last	5	0	0		0	_
Now	100.0	0.0	0.0	0	.0	
Wearing Sur	face/Deck Top)		6	N	Snow covered. PR 6.
(Material T TIMBER)	ype : COPPE	R CHRON	IATE ARSENATE	E TREAT	ED	
(Plank Thi	ckness(mm) : 7	75)				
(Plank Wic	lth(mm) : 305)					
Deck Rideability					6	
Deck Joints	Deck Joints				Х	
Temperatu	ire (deg. C)					
(Expansion	n Type :)					
(Fixed Typ	e:)					-
Gap Size (mm)	G	Sap Location			-
						-
Curbs/Whee	I Guards			7	N	Snow. PR 7.
(Curb Type	e : Standard)					_
(Type : TR	EATED TIMB	ER)				_
(Thickness	s(mm) : 100)					-
(Width(mm	n) : 305)				1	
Bridge Rail				5	5	
(Type : LA	TTICE)					
Bridge Rail F	Posts/Blocking			7	7	
(Type :)						
	Posts Coating			5	5	
(Type : PA	INT)					
Sidewalk				X	X	
4						

					Supers	structure				
Bridge Com	ponent			Last		Explanation of Condition				
	an : PT, 1 Spa i	ns, Lengths(r	n): 18.3, A-Ide	ent Nur						
Wide Load D	amage (Y/N)	No								
Top Chord				7	7	12mm SWEEP IN S TOP CHORD				
Batter Posts				7	7	_				
Diagonals				7	7	-				
Verticals				7	7	-				
Connections				7	7	-				
Floor Beams	;			7	7	-				
Bottom Chord					5	Local upward 20mm bed @ L0 - L1S				
Lateral Bracings					7					
(No. of Stringers : 40)						5 bays x 8/bay				
Stringer Deta	ail Ratings					Multiple bullet holes U1L1N, U2m1S, U5L2S, L1L2N, Bay 5 North stringer , U2L2N, U5L3N.				
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last						For details see 2011 UT Report				
Now										
Stringers				7	7	_				
(Type : ST	EEL)					_				
(Width(mm	n) : 110)					_				
(Depth(mm	n) : 230)					_				
(Spacing(n	nm) : 737)				_					
Paint Conditi	ion			4	4	Truss paint is good but floor system				
(Colour De	scription : REI	D)				has approx. 10% failure.				
(Colour Co	ode : 21310)					_				
Touchup R	Required (Y/N)	No			_					
Bearings				5	6					
Temperatu	ire (deg. C)	-3				A1 West A2 East				
(Expansior	n Type : SLIDI	NG PLATE)								
(Fixed Typ	e : PINNED B	EARING)				_				
Functioning	g (Y/N)	Yes								
Sub Deck/De	eck Underside			8	7					
(Material T	ype : UNTREA	ATED TIMBER	R)							
(Plank Thio	ckness(mm) : '	100)								
(Plank Wid	lth(mm) : 300)									
Defects (P	ercent Area)	0								
Span Alignm	nent Problem	S								
Vertical (Y	/N)	No				_				
Horizontal	(Y/N)	No								
Superstruct	ure General F	Rating		5	5					
					Subset					
Bridge Com	nonon t			Last	Now	ructure Explanation of Condition				
Bridge Com Abutments	ponent			Lasi	NOW					
	Backwall Piles	s (Y/N) · N)								
	Backwall Piles	· · · · · · · · · · · · · · · · · · ·) ·)			-				
(Extended	Buokwall Tiles	- Opacing(mm								

Bridge ComponentLastNowExplanation of Condition(Total Number of Caps/Corbels : 8:8)Top cap is TT.Bearing Seats/Caps/Corbels Detail Ratings3 (court)Last00N (count)1 (count)2 (count)3 (court)Bearing Seats/Caps/Corbels5Bearing Seats/Caps/Corbels5(Type : STEEL)5(Depth(mm) : 305)5Backwalls/Breastwalls6Greatest Height (m)1.50Vingwalls1.50Piles Detail Ratings5N (count)1 (count)1 (count)2 (count)N (count)1 (count)1 (count)2 (count)N (count)1 (count)2 (count)3 (court)Piles Detail RatingsN (count)1 (count)Piles7PilesPiles Court7Paint/CoatingAbutment StabilityGreatest Height (bScour/ErosionVirps/BentsGreatest Height (bScour/ErosionVirps/Bents	
Bearing Seats/Caps/Corbels Detail RatingsN (count)1 (count)2 (count)3 (count)Last0000Now0000Bearing Seats/Caps/Corbels56(Type : STEEL) (Depth(mm) : 305)56Greatest Height (m)1.5055Backwalls/Breastwalls66Greatest Height (m)1.505Vingwalls1.505Vingwalls1.600Piles Detail Ratings9.90N (count)1 (count)2 (count)N (count)1 (count)2 (count)N (count)1 (count)2 (count)N (count)1 (count)2 (count)N (count)1 (count)2 (count)Now00Now00Now00Now00Now00Now00Piles4XPaint/Coating5Koture Istability57Piers/Bents5	
$ \begin{array}{ c c c } & N \ (count) & 1 \ (count) & 2 \ (count) & 3 \ (count) \\ \hline Last & 0 & 0 & 0 & 0 \\ \hline Now & 0 & 0 & 0 & 0 \\ \hline Now & 0 & 0 & 0 & 0 \\ \hline Sears / Caps/Corbels & 5 & 6 \\ \hline (Type : STEEL) & 5 & 6 \\ \hline (Type : STEEL) & 5 & 6 \\ \hline (Type : STEEL) & 5 & 5 \\ \hline (Depth(mm) : 305) & 5 \\ \hline (Width(mm) : 305) & 5 \\ \hline Sackwalls/Breastwalls & 1.50 & 5 \\ \hline Greatest Height (m) & 1.50 & 5 \\ \hline Greatest Height (m) & 1.50 & 5 \\ \hline (Total Number of Bearing Piles : 9:9) & 5 & 5 \\ \hline (Total Number of Bearing Piles : 9:9) & 5 & 5 \\ \hline (Total Number of Bearing Piles : 9:9) & 5 & 5 \\ \hline (Total Number of Bearing Piles : 9:9) & 5 & 5 \\ \hline (Total Number of Bearing Piles : 9:9) & 5 & 5 \\ \hline Nice & 0 & 0 & 0 \\ \hline Piles Detail Ratings & 5 & 7 \\ \hline Now & 0 & 0 & 0 & 0 \\ \hline Piles Ottal Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles Detail Ratings & 7 & 7 \\ \hline Piles & 7 & 7 & 7 \\ \hline Piles & 7 & 7 & 7 \\ \hline Piles & 7 & 7 & 7 \\ \hline Piles & 7 & 7 & 7 \\ \hline Paint/Coating & 5 & 5 \\ \hline Scour/Erosion & 5 & 5 \\ \hline Files/Bents & 5 & 5 \\ \hline Files/Bents & 5 & 5 \\ \hline Motion & 1 & 0 & 0 \\ \hline Motion & 0 & 0 & 0 \\ \hline Motion & 0 & 0 & 0 \\ \hline Motion & 0$	
Last0000Now0000Bearing Seats/Caps/Corbels56(Type : STEEL)56(Depth(m) : 305)5Backwalls/Breatwalls56Greatest Height (m)1.506Greatest Height (m)1.505Wingwalls1.505Vingwalls55Piles Detail Ratings3 (count)N (count)1 (count)2 (count)3 (count)Now000Piles57Piles77Paint/Coating57Abutment Stability57Scour/Erosion57Piers/BentsSourd Examples to the set of	
Now0000Bearing Seats/Caps/Corbels56(Type : STEEL) (Depth(mm) : 305)5Backwalls/Breats walls56Greatest Height (m)1.505Backwalls/Breats Height (m)1.505Vingwalls55Vingwalls1 (count)2 (count)3 (count)Piles Detail RatingsN (count)1 (count)2 (count)3 (count)Piles800-Now00-Piles577Paint/Coating577Abutment Stability577Scour/Erosion577Piles/Fil	
Bearing Seats/Caps/Corbels56(Type : STEEL) (Depth(mm) : 305)	
$ \begin{array}{ c c c } \hline \mbox{(Type: STEEL)} & \ \mbox{(Depth(mm): 305)} \\ \hline \mbox{(Width(mm): 305)} \\ \hline \mbox{Backwalls/Breastwalls} & \ \mbox{Isomalized Stepses} \\ \hline \mbox{Vingwalls} & \ \mbox{Isomalized Stepses} \\ \hline \mbox{Vingwalls} & \ \mbox{Isomalized Stepses} \\ \hline \mbox{Cotal Number of Bearing Piles : 9:9)} \\ \hline \mbox{Vingwalls} & \ \mbox{Isomalized Stepses} \\ \hline \mbox{Cotal Number of Bearing Piles : 9:9)} \\ \hline \mbox{Piles Detail Ratings} \\ \hline \mbox{Isomalized Stepses} \\ \hline \m$	
$ \begin{array}{ $	
Backwalls/Breast wallsII666Greatest Height (m)1.5055WingwallsII55(Total Number of Bearing Piles : 9:9)I55Piles Detail RatingsI2 (count)3 (court)N (count)1 (court)2 (count)3 (court)Last800 $-$ Now00 $-$ PilesII1PilesII1PilesIIIAbutment StabilityIIIScour/ErosiorII<	
$ \begin{array}{ c c c } \hline Greatest \ Height (m) & 1.50 & 0 \\ \hline Wingwalls & & & & & & \\ \hline Wingwalls & & & & & & & \\ \hline Wingwalls & & & & & & & & \\ \hline \\ \hline (Total \ Number \ of \ Bearing \ Piles : 9:9) & & & & & & & \\ \hline Piles \ Detail \ Ratings & & & & & & & & \\ \hline Piles \ Detail \ Ratings & & & & & & & & \\ \hline N \ (count) & 1 \ (count) & 2 \ (count) & 3 \ (coumber \ of \ O \ O \ O \ O \ O \ O \ O \ O \ O \ $	
WingwallsImage: Second partial second pa	
Image: Constraint of Bearing Piles : 9:9)Mest piles partially buried in Rip RapPiles Detail Ratings1 (count)2 (count)3 (count)Last800Now000Now000Piles $$	
Piles Detail RetiresN (count)1 (count)2 (count)3 (court)Last800 $-$ Now00 $-$ Piles77Paint/Coating $-$ 4XAbutment Stability $-$ 67Scour/Erosion $-$ 77Piles/Bents	
$\begin{tabular}{ c c c c } \hline $ N$ (count) & 1$ (count) & 2$ (count) & 3$ (court) \\ \hline $ Last & 8$ & 0$ & 0$ & $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $	
Last 8 0 0 $-$ Now 0 0 $-$ Piles 7 7 Paint/Coating - 4 X Abutment Stability - 6 7 Scour/Erosion - 7 7 Piers/Bents - 7 7	
Now00 $\ensuremath{0}$ Piles77Paint/Coating4XCaps, Corbels, and piles unpainted with minor surfaceAbutment Stability67Scour/Erosion77Piers/Bents	
Piles 7 7 Paint/Coating 4 X Caps, Corbels, and piles unpainted with minor surface Abutment Stability 6 7 Scour/Erosion 7 7 Piers/Bents	
Paint/Coating 4 X Caps, Corbels, and piles unpainted with minor surface Abutment Stability 6 7 Scour/Erosion 7 7 Piers/Bents Y Y	
Abutment Stability 6 7 Scour/Erosion 7 7 Piers/Bents 9	
Scour/Erosion 7 7 Piers/Bents	ust.
Piers/Bents	
(Type:)	
(Total Number of Caps/Corbels :)	
Bearing Seats/Caps/Corbels Detail Ratings	
N (count) 1 (count) 2 (count) 3 (count)	
Last	
Now	
Bearing Seats/Caps/Corbels X X	
(Type :)	
(Total Number of Bearing Piles :)	
Piles Detail Ratings	
N (count) 1 (count) 2 (count) 3 (count)	
Last and the second sec	
Now	
Pier Shaft/Piles X X	
Greatest Height (m)	
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) Yes Timber caught in Rip Rap	

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Substructure General Rating		5	6	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction : N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability			7	
HWM (m below Top of Curb)	2.5			Loose drift caught downstream
Drift (Y/N)	Yes			
Slope Protection		7	7	Class 2
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs			7	Along NE bank
Adequacy of Opening			6	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

			Maintenance Recomme	ndations					_	
Inspector Recommendations	Year	Inspecto	r Comments	Department Co	omments			Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
RETROFIT BRIDGE RAIL										
PATCH DECK										
REPLACE SUB DECK										
RESET/ PAINT BEARINGS										
REPAINT SUPERSTRUCTURE										
STRAIGHTEN/REPLACE MEMBERS										
WASHING										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROSIO	NC									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	2012	Remove	plank and piles from RipRap							
OTHER ACTION	2012	Drill out U2m1S, North str	bullet holes and install bolt at U1L1N U3L2S, L1L2N, U2L2N, U3L3N, Bay inger	, / 5						
OTHER ACTION	2012	Replace signs.	missing HM's and posted loading							
OTHER ACTION										
UTHER ACTION										
OTHER ACTION										
	ow) 55.6/67	1.1	Sufficiency Rating (Last/Now) (%)	34.1/35.0	Est. Re	pl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No	ow) 55.6/6 ²	1.1	Sufficiency Rating (Last/Now) (%)	34.1/35.0 Department Comments	Est. Re	pl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection	ow) 55.6/6 ²	1.1	Sufficiency Rating (Last/Now) (%)	Department	Est. Re	pl. Yr				Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for	ow) 55.6/6 ²	1.1	Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Re	pl. Yr		Maint. Red		Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection Maintenance Reviewed By	ow) 55.6/6 ²	1.1	Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Re	pl. Yr				Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	ow) 55.6/6 ²	l.1	Sufficiency Rating (Last/Now) (%)	Department Comments	Est. Re	pl. Yr				Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	ow) 55.6/6 ²	I.1	(%)	Department Comments		pl. Yr				Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name		I.1	(%)	Department Comments Date	2	pl. Yr				Yes
OTHER ACTION Structural Condition Rating (Last/No (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Owen Salava	l.1	(%)	Department Comments Date	2					Yes