							E	Bridge I	nspe	ection							
Bridge File Number 76480 -1 Bridge							m Type			TH PT							
Year Built/Year		1927/1922						Lot	No.			2					
Supstr								Ins	Inspector Name			Jason Rusu					
Bridge or Town I	Name								Ins	Inspector Class			BR CLS A				
Located Over				VER, 2.	12.22, V	/ATEF	RCRS-	-ST	Ass	sistant N	lame		-				
Located On		511	:02 C1	1 5.102					Ass	sistant C	lass						
Water Body Cl./	/ear								Ins	pection	Date		18-Nov-201	2			
Navigabil. Cl./Ye										ta Entry			Kelsey Robe	erts			
Legal Land Loca	tion	NW	SEC	11 TWP	8 RGE	25 W4	IM.			ta Entry			15-Dec-201				
Longitude, Latitu	de	-113	3:17:2	2, 49:38:	.08					viewer N			Garry Robei				
Road Authority		Albe	erta Tr	ansporta	ation (Al	T)			Re	view Da	te		01-Dec-201				
Contract Main. A	rea	CM	A26						De	pt. Revie	ewer l	Name	Tim Davies				
Clear Roadway/S	Skew	4.9	/							pt. Revie			27-Dec-201	2			
AADT/Year		200	/ 201	1 (A)						low-Up I							
Road Classificat	ion	RCI	U-209-	-110						.о ор .	_,						
Detour Length (k	m)	20															
Allowable Load (t): Sir	ngle	H 15	NOED		Sem		S 19			Train		3 26		> On Critic	al Spa	ns
Design Leading			_	NGER				3L4				U3	L4		>Critical M		
Design Loading:			HS20	J			De	osting I	nfor	mation					> Primary	Span	
Required Vert. C	learar	nco P	Octino	r (m)			Г	osung I	ШОП	Hation							
Posted Vertical (<i>j</i> (111 <i>)</i>	Voc												
	NB	on Bridge (m) 4.7 In Advance			/anco	/V/NI)	Yes	Lane	SB		n Bridge (m)	4.7	In Advance	(V/NI)	Yes		
										Yes Lane SB On Bridge (m) 4.7 In Advance (Y/N) onestly legible					165		
Required Load P			.01 00	in signs		uitipie	bullet	16	111031	Semi		19 Truck Trair		. Troin	26		
Posted Loading) (t)			Single			16.0		Semi			19.0	Truck Train		25.0	
Posted:		Τ,	NB		Single At Junction (Y/N)						(NZ/NI)		At Bridge (Y/N)		Yes		
Posted:	Lane		SB		At June					In Advance (Y/N) In Advance (Y/N)		No Yes	At Bridge (Y/N) At Bridge (Y/N)				
	Lane			ND :		ilon (t/IN)	Yes		III Advance (1/N) Tes				Al DI	lage (1/IN)	Yes	
				NB junct	ion												
Hazard Marker A	t Bria	ge (Y	(/IN)	Yes													
Remarks				CLID)/E	CTOD	IE 01	ICOM	INIC TO	٨٢٢١	C 4 L A	VE DI						
Other Sign Type	S			CURVE	, 510P	IF ON				ted at)	NE BI	KIDGE	, narrow brid	ge, ro	ugh road ahe	au.	
Utility Attachmer	vtc.						Οί	illues (LOG	ileu al)							
	ແວ								Ga	<u> </u>							
Telephone Power																	
Others										nicipal blem (Y	'/NI\	No					
	None	vioib	ulo.						FIC	bbletti (T	/IN)	INO					
Remarks	None	VISID	ne					Approx	och E	Poad							
						Last	Now	Explanation of Condition									
Horizontal Alignr	nent						6	6						nd Soi	uth, slight sag	to Sou	th.
Vertical Alignme							6	6		st to No		PPIOUC		500	, ongrit oag	.5 500	,
Roadway Width (m) 8.000				- 0	J	Δ.	P north	- Grav	vel so:	ıth							
Approach Bump				5	5					at SW and SI	Ξ						
Guardrail (Y/N) Yes			-	, ,													
Guardrail			5	5	Тур	oe IV en	ds at	North a	abut.								
Length (m) 7.600			3	J	No	t thriebe	am										
Current Standard (Y/N) No					110		J.II										
Termination Type TERMINAL END																	
Drainage	ρ υ			I LIXIVIII	AUT EINI	,	5	5									
	Drainage																
Approach Road	Gene	eral F	Rating				6	6									

		<u>supers</u>	tructure
Bridge Component		Explanation of Condition	
(Primary Span : TH, 3 Spans, Lengths(m): 53.3-24.4-24	1.4, A-	Number: A0070-01;A0034-07;A0034-39)	
Special Features			
Special Feature		X	
(Type:)			
Special Feature		X	
(Type:)			
Wearing Surface/Deck Top Detail Ratings			
N (%) 1 (%) 2 (%)	3 (%)		
Last 0 0 0	(0	
Now 0.0 0.0 0.0	5	.0	
Wearing Surface/Deck Top	4	3	Isolated rot in timber ends
(Material Type : UNTREATED TIMBER)			
(Plank Thickness(mm) : 75)			
(Plank Width(mm): 300)			
Deck Rideability	7	7	
Deck Joints	Х	Х	50mm gap btwn trusses @ pier 2 deck.
Temperature (deg. C) 5			85mm gap @ p1
(Expansion Type :)			
(Fixed Type :)			
Gap Size (mm) Gap Location			
Curbs/Wheel Guards	7	7	440 x 280 x 180 TT blk
(Curb Type : Standard)			440 X 200 X 100 11 BIK
(Type : TREATED TIMBER)			
(Thickness(mm) : 90)			
(Width(mm) : 300)			
Bridge Rail	7	5	Double layer Flexbeam on galv HSS blocking bolted to styl lattice.
(Type: STEEL LATTICE; TREATED TIMBER LATTIC	E)		100mm galv HSS blocking bolted to painted lattice
Bridge Rail Posts/Blocking	7	5	garring solice to particulation
(Type : POST STEEL)			
Bridge Rail/Posts Coating	5	5	Minor corrosion at HSS blocks
(Type : PAINT)			
Sidewalk	Χ	Х	

					Supers	structure
Bridge Com	ponent				Now	
		ns, Lengths(n): 53.3-24.4			Number: A0070-01;A0034-07;A0034-39)
Wide Load D	amage (Y/N)	Yes				A few sway braces with up to 55mm local bends.
High Load Da		Yes				Bottom lateral hanger broken in panel 1 (U8 E (chord), U4W (sway bracing), U9E (Portals) missing bolts) 15-
Top Chord				7	7	Jun-2011
Batter Posts				7	7	(Bullet hole @ cl u8u8, 10x100mm dent @ u1u1.) 15-Jun-2011
Sway Bracing	gs			4	5	
Diagonals				5	5	(Missing bolts at U4W, U8E, U9E.)
Verticals				5	5	
Portals				6	6	Fire damage, functional No missing rivets.
Connections				4	4	9/bay x 9 bays
Floor Beams				7	7	20mm bend at exterior of U3L4 E
Bottom Chor	d			6	6	25mm dents at bottom chord of U4U4 and U5U5 from High Load.
(No. of String	gers : 81)					
Stringer Deta	nil Ratings					
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last						
Now						
Stringers				5	5	
(Type : STI	EEL)					
(Width(mm) : 120)					
(Depth(mm	n): 260)					
(Spacing(m	nm) : 649)					
Paint Conditi	on			4	4	No paint @ bottom 25%. Replacement members @ floor system
(Colour De	scription : GRE	EEN)				primed
(Colour Co	de : 14090)					
Touchup R	equired (Y/N)	No				
Bearings	· · · · · · ·			7	7	@ Pier 2
Temperatu	re (deg. C)	5				@ Abut 2
-	Type : SLIDIN	NG PLATE)		·		
(Fixed Type	e : PINNED BE	EARING)				
Functioning		Yes				
Sub Deck/De	eck Underside			8	7	
(Material T	ype : TREATE	D TIMBER)				
	kness(mm): 1					
	th(mm) : 300)	•				
,	ercent Area)	0				
	nent Problems					
Vertical (Y/		No				
Horizontal		No				
	ure General R			4	4	
•						
						structure
Bridge Com				Last	Now	Explanation of Condition
(Secondary S						
Special Feat						
Special Feat	ure				X	Truss A0034-38 was damaged by fired and replaced with truss A0034-07
(Type:)					X	1.000.01
	Special Feature					
(Type:)						

					Supers	tructure
Bridge Comp	onent					Explanation of Condition
(Secondary S						
Wearing Surface/Deck Top Detail Ratings						
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0		0	
Now	0.0	0.0	0.0	C	0.0	
Wearing Surf	ace/Deck Top)		4	4	25% abraded surface @ span 1
	pe : UNTREA		R)			Isolated rot in plank ends '
_ `	kness(mm) : 7		,			
	:h(mm) : 300)					
Deck Rideabi				7	7	
Deck Joints				X	X	
Temperatur	re (deg. C)					
(Expansion	Type:)					
(Fixed Type	e:)					
Gap Size (r	nm)	Gap	Location			
Curbs/Wheel	Guards			7	7	
(Curb Type	: Standard)					
(Type : TRE	EATED TIMBE	ER)				
(Thickness)	(mm) : 90)					
(Width(mm)	: 300)					
Bridge Rail				6	5	Double layer flexbeam on galv HSS blocking bolted to lattice.
(Type : STE	EL LATTICE	TREATED 1	IMBER LATT	ICE)		
Bridge Rail P	osts/Blocking			5	5	
(Type : PO \$	ST STEEL)					70% paint failure @ lattice, isolated sections.
Bridge Rail/P				4	4	
(Type : PAI	NT)					
Sidewalk				X	X	
Wide Load Da	amage (Y/N)	No				Minor sweep
Top Chord	<u> </u>			6	6	(S1-U1L1E missing bolt) 15-Jun-2011
Batter Posts				7	7	U3L3W @ span 1 local 20mm bends
Diagonals				5	5	S1-U1L1E- Wide Load damage- 25mm bend (30mm bend @ gusset @ L3W @ span) 15-Jun-2011
Verticals				5	5	Governmental C gasset C 2011 C spair) 10 can 2011
Connections				5	5	
Floor Beams				5	5	8/bay x 12 bays = 96
Bottom Chord	t			6	6	
Lateral Bracin	ngs			5	5	Fire damage under Sp. 1
(No. of String	ers : 48;48)					
Stringer Detail Ratings						
N (count) 1 (count) 2 (count) 3 (count)				3 (cou	unt)	
Last						
Now						
Stringers 6 6						
(Type : STE						
(Width(mm)						
(Depth(mm)	•					
(Spacing(m	m) : 737)					

					Suners	structure			
Bridge Component						Explanation of Condition			
(Secondary S				Luci	111011				
Paint Conditio				4	4	30% corrosion			
(Colour Description :)						A34-39. No paint @ floor system @			
(Colour Code :)						panels 1 & 2			
	equired (Y/N)	No				Burned paint			
Bearings	(171.1)	1.14		5	5	STEEL SLIDING PLATE			
Temperature	e (dea. C)	516							
· ·	Type : SLIDIN					one AB broken@ NE span 2 @ Pier 1 @ A1 and P2 and A2			
	: PINNED BE								
Functioning		Yes							
Sub Deck/Dec				8	7				
	pe : TREATE	D TIMBER)							
	(ness(mm) : 1								
	n(mm) : 300)	,							
Defects (Per		0				-			
Span Alignme									
Vertical (Y/N		No							
Horizontal (•	No				-			
Superstructu				5	5				
Superstructu	ie General ix	amy							
					Subst	ructure			
Bridge Comp	onent			Last	Now	Explanation of Condition			
Abutments									
(Extended B	Backwall Piles	(Y/N) : Y)							
(Extended B	Backwall Piles	Spacing(mm)	: 900)						
(Total Number	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				350x370 HP corbels on 1 WP cap and 2 HP back caps			
Bearing Seats	/Caps/Corbels					AB1 300x300 TT Top Cap			
	N (count)	1 (count)	2 (count)	3 (co	unt)	AB2 100x290 TT plank used as top cap.			
Last	3	0	0		0				
Now	3	0	0		0	Does not extend full width of backwall. AB2 Front cap 300x300 TT, buried to top.			
Bearing Seats		S		7	7	- Tibe to the coop coop of the coop.			
(Type : STE									
(Depth(mm)	•								
(Width(mm)									
Backwalls/Bre				6	6				
Greatest He	ight (m)	1.80							
Wingwalls				7	7	No wingwalls at Abut 2.			
(Total Number	r of Bearing D	iles · 8·8/				Abut. 2 not visible			
(Total Number of Bearing Piles : 8:8) Piles Detail Ratings						ANALL & HOL VISIDIG			
	N (count)	1 (count)	2 (count)	3 (co	unt)				
Last	8	0	0	0 (00)	0				
Now	8	0	0		0				
Piles					6	-			
Paint/Coating					5	Uncoated steel caps and corbels with surface rust			
1 and Coaling				5		Onsocios stool supe and sorbols with surface rust			
Abutment Stability				7	7				
Scour/Erosion				7	7				

Bridge Component							Subst	ructure
Trype : PIER-SOLID Trotal Number of Caps(Corbels :)	Bridge Component					Last Now		Explanation of Condition
Trotal Number of Capa(Corbels : :)	Piers/Bents							
Dearing Seats/Carps/Corbels Detail Ratings								Piers rehabed
N (count)	· · · · ·							
Last 0 0 0 0 0 0 0 0 0	Bearing Seats							
New			1 (co					
Bearing Seats/Caps/Corbels 6 6 6								Efflorescence cracking @ Pier 1
Citype : CONCRETE				0	0			
Total Number of Bearing Piles : 0:0) Piles Detail Ratings			IS			6	6	
Piles Detail Ratings):I <i>(</i>	N- 0 \				
N (count)			ries : C	J:U)				
Last	Files Detail K		1 (00)	unt\	2 (count)	3 (00)	unt)	
Now	l ast		1 (00	· ·		3 (00)		
Pier Shaft/Piles								
Greatest Height (m) 6.40				<u> </u>				
Bracing/Struts/Sheathing				6 40				
Nose Plate				0.10		X	X	
Paint/Coating	Draomg/otrac					^		
(Colour Description :) (Colour Code :) Pier Stability 7 7 Scour N 6 Debris (Y/N) Yes Minor drift caught at pier noses Substructure General Rating 6 6 Structure Usage Last Now Explanation of Condition Channel (U/S Direction : W) (D/S Direction : E) Alignment 8 8 8 Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 (8.0 m 1986 - 3 m below bottom chord) No visible HWM. Slope Protection 5 5 Class 1 rock under bridge on top of slope at Abut. 2, appears to be for surface drainage Gidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Nose Plate					7	7	
(Colour Description :) (Colour Code :) Pier Stability 7 7 Scour N 6 Debris (Y/N) Yes Minor drift caught at pier noses Substructure General Rating 6 6 Structure Usage Last Now Explanation of Condition Channel (U/S Direction : W) (D/S Direction : E) Alignment 8 8 8 Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 (8.0 m 1986 - 3 m below bottom chord) No visible HWM. Slope Protection 5 5 Class 1 rock under bridge on top of slope at Abut. 2, appears to be for surface drainage Gidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Paint/Coating	1				5	5	50% top coat gone but primer intact
Colour Code :) Pier Stability								
Scour								
Debris (Y/N) Yes Minor drift caught at pier noses Substructure General Rating 6 6 Structure Usage Explanation of Condition Channel (U/S Direction: W) (D/S Direction: E) Alignment 8 8 Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 Drift (Y/N) Yes Novisible HWM. Slope Protection 5 5 Class 1 rock under bridge on top of slope at Abut. 2, appears to be for surface drainage Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1: NONE) (Fish Compensation Measure 2: NONE)	Pier Stability					7	7	
Substructure General Rating Structure Usage Last Now Explanation of Condition	Scour					N	6	
Structure Usage Last Now Explanation of Condition Channel (U/S Direction : W) (D/S Direction : E) Alignment 8 8 8 Bank Stability 5 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 Drift (Y/N) Yes (8.0 m 1986 - 3 m below bottom chord) No visible HWM. Slope Protection 5 5 Class 1 rock under bridge on top of slope at Abut. 2, appears to be for surface drainage (Type : NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Debris (Y/N)			Yes				Minor drift caught at pier noses
Channel (U/S Direction: W) (D/S Direction: E) Alignment Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) Drift (Y/N) Yes Slope Protection (Type: NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening (Fish Compensation Measure 1: NONE) (Fish Compensation Measure 2: NONE)	Substructure	e General Rat	ting			6	6	
Channel (U/S Direction: W) (D/S Direction: E) Alignment Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) Drift (Y/N) Yes Slope Protection (Type: NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening (Fish Compensation Measure 1: NONE) (Fish Compensation Measure 2: NONE)							Structu	ro Heago
Channel (U/S Direction: W) (D/S Direction: E) Alignment Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) Drift (Y/N) Slope Protection (Type: NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening (Fish Compensation Measure 1: NONE) (Fish Compensation Measure 2: NONE)						_		·
(U/S Direction: W) (D/S Direction: E) Alignment Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) Drift (Y/N) Yes Slope Protection (Type: NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening (Fish Compensation Measure 1: NONE) (Fish Compensation Measure 2: NONE)	Channel						111011	
Alignment 8 8 8 Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 (8.0 m 1986 - 3 m below bottom chord) Drift (Y/N) Yes Natural; RIP RAP) Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)		n : W)						
Alignment 8 8 8 Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 (8.0 m 1986 - 3 m below bottom chord) Drift (Y/N) Yes Natural; RIP RAP) Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	,							
Bank Stability 5 5 Steep banks u/s and d/s. North bank HWM (m below Top of Curb) 3.5 (8.0 m 1986 - 3 m below bottom chord) No visible HWM. Slope Protection 5 5 Class 1 rock under bridge on top of slope at Abut. 2, appears to be for surface drainage Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	·					8	8	
Drift (Y/N) Slope Protection (Type : NATURAL; RIP RAP) Guidebank/Spurs X Adequacy of Opening (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	Bank Stability	,				5	5	Steep banks u/s and d/s. North bank
Drift (Y/N) Slope Protection (Type : NATURAL; RIP RAP) Guidebank/Spurs X Adequacy of Opening (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	HWM (m belo	w Top of Curl	b)	3.5				(8.0 m 1986 - 3 m below bottom chord)
Slope Protection (Type : NATURAL; RIP RAP) Guidebank/Spurs X Adequacy of Opening (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)		, , , , ,						No visible HWM.
(Type : NATURAL; RIP RAP) Guidebank/Spurs X X Adequacy of Opening 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)						5	5	Class 1 rock under bridge on top of slope at Abut. 2, appears to be
Guidebank/Spurs X X Adequacy of Opening 6 6 (Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	·							for surface drainage
(Fish Compensation Measure 1 : NONE) (Fish Compensation Measure 2 : NONE)	· · · ·					X	X	
(Fish Compensation Measure 2 : NONE)	Adequacy of Opening 6					6	6	
(Fish Compensation Measure 2 : NONE)	(Fish Comper	nsation Measu	ure 1 :	NONE)				
				,		5	5	

Bridge Inspection & Maintenance System (Web 2005)

			Maintenance Recommend	lations					
Inspector Recommendations	Year	Inspecto	or Comments	Department Co	omments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
RETROFIT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2013	15% Pla	ank replacement						
SEAL DECK									
OVERLAY DECK									
REPLACE STRIP DECK									
REPLACE SUB DECK									
RESET/ PAINT BEARINGS	2013	Repair A	A/B @ S2P2 West						
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									
OTHER ACTION	2013	Replace	e broken bottom lateral hanger bolt						
OTHER ACTION	2013	Drill and of U4WI U9U9.	I place bolt at S1-U1L1E and S3-U4W U5E and at U8E of U7U8E and U9E of						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)	55.6/55.	6	Sufficiency Rating (Last/Now) (%)	36.1/36.3	Est. Repl. Yr	2030	Maint. Red	d. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					

Alberta Transportation	Bridge Inspection & Maintenance System (Web 2005)

76480 -1 Bridge

Maintenance Reviewed By		Date	Estimated Total 0
Proposed Long-Term Strategy			
On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Ed Kowal	Previous Assistant's Name	
Next Inspection Date	18-Feb-2016	Previous Inspection Date	15-Jun-2011
Inspection Cycle (Default) (months)	39		
Comment			