						Bridge I	nspection					
Bridge File Nu	mber	74563 -1 Bridge					Form Type		PCS			
Year Built/Yea	r	1956/1956					Lot No.		1			
Supstr		0717					Inspector Name		Owen Salava			
Bridge or Towr	n Name						Inspector Class		BR CLS A			
Located Over		RIBSTONE CREEK, 5.2, WATE				S-ST	Assistant Na	me				
Located On		13:20 C ²	1 5.583				Assistant Class					
Water Body Cl	l./Year						Inspection Date 29-Jun-2012					
Navigabil. Cl./	Year						Data Entry By Marcia Chavez					
Legal Land Lo	cation	NW SEC 36 TWP 40 RGE 6 W4					Data Entry Date 15-Jul-2012					
Longitude, Lati	itude	-110:44:	25, 52:29:	16			Reviewer Name John O'Brien					
Road Authority	/	Alberta 7	Fransporta	ation (AIT))		Review Date					
Contract Main.	. Area	CMA22					Dept. Review	ver Name	Andrew Smil	des		
Clear Roadwa	y/Skew	11 /					Dept. Review		19-Jul-2012			
AADT/Year		1,380 / 2	2011 (A)				Follow-Up By					
Road Classific	ation	RAU-21	1.8-110					,				
Detour Length	(km)	8								1		
Allowable Load	d (t): Sin	gle		:	Semi		Т	rain		> On Criti >Critical M	cal Spans Vember	
Design Loadin	g:	HS2	20							> Primary	> Primary Span	
					P	osting I	nformation					
Required Load	I Posting	(t)		Single			Semi			Truck Train		
Posted Loading	g (t)			Single			Semi			Truck Train		
Posted:	Lane	EB		At Juncti	on (Y/N)	No	In Advar	nce (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB		At Juncti	on (Y/N)	No	In Advar	nce (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not re	quired.										
Hazard Markei	r At Brid	ge (Y/N)	Yes									
Remarks Offset 800mm from c				m curb lir	ne. At va	rying heights -	not to std					
Other Sign Typ	oes		Stream									
					U	tilities (Located at)					
Utility Attachm	ents				U	tilities (Located at)					
		to south a	and north.		U	tilities (Located at)	Cross	es road 30m	East.		
Telephone	In r/w	to south	and north.		U	tilities (es road 30m North side of b			
Telephone Power	In r/w		and north.		U	tilities (
Telephone Power	In r/w		and north.		U	tilities (Gas	Gas N				
Telephone Power Others	In r/w		and north.		U		Gas Municipal Problem (Y/N	Gas N				
Telephone Power Others	In r/w		and north.			Approa	Gas Municipal Problem (Y/N	Gas N	North side of b			
Telephone Power Others Remarks	In r/w 4 wire		and north.		Lasi	Approa t Now	Gas Municipal Problem (Y/N ch Road Explanation	Gas N N) No of Condi	North side of b			
Telephone Power Others Remarks Horizontal Alig	In r/w 4 wire		and north.			Approa t Now 7	Gas Municipal Problem (Y/N Ch Road Explanation Approaches	Gas N N) No of Condi @ 50m Ea	North side of b			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm	In r/w 4 wire		and north.		Lasi	Approa t Now	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres	Gas N N) No of Condi @ 50m Ea t curve 10	tion ast. 00m East.	ridge.		
Telephone Power Others Remarks Horizontal Alig Vertical Alignm	In r/w 4 wire		and north.		Last 7	Approa t Now 7	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres	Gas N N) No of Condi @ 50m Ea t curve 10	North side of b	ridge.		
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt	In r/w 4 wire		and north.		Last 7	Approa t Now 7	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres	Gas N N) No of Condi @ 50m Ea t curve 10	tion ast. 00m East.	ridge.		
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum	In r/w 4 wire		and north.		Last 7 5	Approz Now 7 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres	Gas N N) No of Condi @ 50m Ea t curve 10	tion ast. 00m East.	ridge.		
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N	In r/w 4 wire		and north. rth of c/l.		Last 7 5	Approz Now 7 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres Wide transve	Gas N N) No of Condi @ 50m Ea t curve 10 erse crack	tion ast. 0m East. 10m East but	ridge.	SW - 42.5m	
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N	In r/w 4 wire		and north. rth of c/l.		Lasi 7 5 6	Approa Now 7 6 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres Wide transve	Gas N N) No of Condi @ 50m Ea t curve 10 erse crack	tion ast. 00m East. 10m East but	ridge.	SW - 42.5m	
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N Guardrail	In r/w 4 wire nment hent th (m))	s 32m nc	and north. rth of c/l. 11.400 Yes		Lasi 7 5 6	Approa Now 7 6 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres Wide transve	Gas N N) No of Condi @ 50m Ea t curve 10 erse crack	tion ast. 00m East. 10m East but	ridge.	SW - 42.5m	
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N Guardrail Length (m)	In r/w 4 wire anment hent th (m) hp) adard (Y/	s 32m nc	and north. rth of c/l. 11.400 Yes 8.500 No		Last 7 5 6 6	Approa Now 7 6 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres Wide transve	Gas N N) No of Condi @ 50m Ea t curve 10 erse crack	tion ast. 00m East. 10m East but	ridge.	SW - 42.5m	
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Approach Bum Guardrail (Y/N Guardrail Length (m) Current Stan	In r/w 4 wire anment hent th (m) hp) adard (Y/	s 32m nc	and north. rth of c/l. 11.400 Yes 8.500 No		Last 7 5 6 6	Approa Now 7 6 6	Gas Municipal Problem (Y/N ch Road Explanation Approaches Blinding cres Wide transve	Gas N N) No of Condi @ 50m Ea t curve 10 erse crack	tion ast. 00m East. 10m East but	ridge.	SW - 42.5m	

						Supers	tructure
Bridge Com	ponent						Explanation of Condition
(Primary Spa	n : HCO, 3 Sp	ans, Le	engths	(m): 8.5-8.5-8	3.5, A-Id	ent Nu	imber:)
Special Feat	ures						
Special Feature						Х	
(Type:)							
Special Feature						Х	
(Type :)							
Wearing Surface/Deck Top Detail Ratings							
	N (%)	1 (%)		2 (%)	3 (%)		
Last	0	Ċ)	0		0	
Now	0.0	0.		0.0	0	.0	
Wearing Surf	1		-		4	6	
	ype : CONCRE	ETE - Co	ONVE	NTIONAL CH		-	
(Thickness)	(mm) · 50)						
	ection Problem		10				
(Y/N)			NU				
Deck Top					N	N	
Deck Rideabi	ility				7	7	
Deck Joints					5	N	Paved over.
Bump (Y/N))	Ν	lo				
Deck Drainag	je				4 4		Concrete deteriorate @ underside of drain holes. Staining & cracking
Drains Clog	gged (Y/N)	Ν	lo				girder legs at connectors.
Curbs/Median					4	4	A few minor chips. Scaling @ top face & plow damage on inside of
(Curb Type	: Standard)						NE corner.
Scaling (Pe	ercent Area)	4	0				
Bridge Rail					7	7	Double layer.
	LVANIZED ST	EEL FL	EX BE	EAM)			
Bridge Rail P	osts			,	6	6	
	LVANIZED PC	OST STI	EEL;G	ALVANIZED	POST		
Bridge Rail/P	osts Coating				7	7	
	LVANIZED)						
Sidewalk					X	Х	
Girder Detail	Ratings						
Sindor Dotall	N (count)	1 (cour	nt)	2 (count)	3 (cou	int)	
Last	0			0		4	
Now	0	0		0		4	
Girders					3	3	22/39 have longit. cracks in AZ.
	e Inspection D	Date 2	9-Jun-	2012			4 girders spalling/chipped with 3 in AZ (photo).
Cracking (Y			es /				- 13/39 have narrow shear cracks. 3/39 have damage in bearing area.
	ercent Area)	1					W abut curb unit inside leg next to cap chipped exposing rusting
Lift or Connee Grouted (Y/N	ctor Pocket		⁄es				rebar. 4/39 girders rated 3. 11/39 girders rated 4. 6/39 girders rated 5.
(Number Of C							18/39 girders rated +6.
<u> </u>	nent Problems	5					
Vertical (Y/			١o				
Horizontal (10 10				
	ure General R				3	3	
Superstructu		g					

Alberta Transportation

					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
Abutments						
(Extended	Backwall Piles	s (Y/N) : Y)			Extended backwall. Both East extension pile wire tiebacks are	
(Extended	Backwall Piles	Spacing(mm) : 1500)		broken (photo).	
(Total Numbe	er of Caps/Co	bels : 1:1)			_	
Bearing Seat	s/Caps/Corbe	ls Detail Ratin	gs			_
	N (count)	1 (count)	2 (count)	3 (соц	unt)	_
Last	0	0	0		0	_
Now	0	0	0		0	_
Bearing Seats/Caps/Corbels 7						
(Type : STE	EEL)					_
(Depth(mm) : 356)					_
(Width(mm)) : 375)				_	
Backwalls/Br	eastwalls			4	4	Top planks at corners loose/damaged, some fill leaking (photos).
Greatest H	eight (m)	2.40				
Wingwalls				6	4	NW plank broken & bulging. NE plank damaged.
(Total Numbe	er of Bearing F	Piles : 10:10)				Steel capitals.
Piles Detail R	atings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	0	0	0		0	_
Now	0	0	0		0	
Piles				6	6	
Paint/Coating	Paint/Coating					
Abutment Stability					4	Minor fill loss from top of backwall at corners (photos).
Scour/Erosio	n			7	7	
Piers/Bents					-	
	R-COLUMN)					
	er of Caps/Cor	bels : 1:1)				-
	s/Caps/Corbe		as			
U	N (count)	1 (count)	2 (count)	3 (cou	unt)	-
Last	0	0	0		0	-
Now	0	0	0		0	
	s/Caps/Corbe			7	7	
(Type : STE					4	
(Depth(mm	· · · · · · · · · · · · · · · · · · ·					
(Width(mm)	· · · · · · · · · · · · · · · · · · ·					
	er of Bearing F	Piles : 10:10)				North pile at east bent wrapped in
Piles Detail R						geotextile cloth from waterline up.
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last	0	0	0		0	
Now	0	0	0		0	
Pier Shaft/Pil	es			6	6	
Greatest H		3.00				
Bracing/Strut				4	4	3 split planks pier 2, minor (photo).
Nose Plate				X	Х	
Paint/Coating]			X	X	
(Colour De	scription :)					
(Colour Co	de :)					

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	Substructure								
Bridge Component		Last	Now	Explanation of Condition					
Pier Stability			7						
Scour		7	7						
Scour		'	'						
Debris (Y/N)	No								
Substructure General Rating		4	4						
		s	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : S)									
(D/S Direction : N)									
Alignment			7						
Bank Stability		7	7						
HWM (m below Top of Curb)				HWM not visible.					
Drift (Y/N)	No								
Slope Protection		7	7						
(Type : NATURAL; NATURAL)								
Guidebank/Spurs		Х	X						
Adequacy of Opening			7						
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		7	7						

			Maintenance Recomm	endations					
Inspector Recommendations	Year	Inspe	ctor Comments	Department Co	mments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSIO	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2012	Patch	spalled / chipped girders.						
OTHER ACTION	2012	Reins	tall hazard markers to meet std.						
OTHER ACTION	2012	Upgra	de guardrail to meet std.						
OTHER ACTION	2012	Repai	r ext wall & stop fill loss, all corners.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Nov (%)	w) 38.9	38.9	Sufficiency Rating (Last/Now) (%)	57.5/57.2	Est. Repl. Yr	2020	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Total	I 0	
Proposed Long-Term Strategy	2005.01.07 20at. Bridge	Suspect th should be	at timber piles and/or concrete deck v ok until 2020.	vill drive strategy for I	bridge. Consider fill	ing deck cr	acks with gravi	ty fill epoxy a	and chip
On 3-Year Program (Y/N)									
Proposed Action									

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Bridge Inspection & Maintenance System (Web 2005)

74563 -1 Bridge

Previous Inspector's Name	Owen Salava	Previous Assistant's Name	
Next Inspection Date	29-Mar-2014	Previous Inspection Date	31-Aug-2010
Inspection Cycle (Default) (months)	21		
Comment			