						E	Bridge In	nspect	ion						
Bridge File Nu	mber	01225 -1	Bridge					Form		)		PCS			
Year Built/Yea		1974/197	· · ·					Lot No	0.			3			
Supstr						_		Inspector Name			Jason Saly				
Bridge or Tow	n Name							Inspector Class			BR CLS A				
Located Over		BEAVER		EEK, 3.8	39.8.11,			Assistant Name							
Located On		766:04 C						Assistant Class							
Water Body C	/Year	100.010	2					Inspection Date			14-Feb-2012				
Navigabil. Cl./								Data Entry By			Marcia Chav	/ez			
Legal Land Location NW SEC 25 TWP 29 RGE 3 W5					3 W5M			Data Entry Date			09-Mar-2012				
Longitude, Latitude -114:18:23, 51:31:00								Revie	Reviewer Name			John O'Brie	า		
Road Authority Alberta Transportation (AIT)					Т)			Revie	Review Date			29-Feb-2012	2		
Contract Main. Area CMA28					/			Dept.	Revi	ewer Na	me	Andrew Smi	kles		
Clear Roadwa		8.2 / -15	deg. (LH	F)				Dept.	Revi	ew Date		14-Mar-2012	2		
AADT/Year		380 / 201	• •					Follov	v-Up	Ву					
Road Classific	ation	RCU-208	. ,												
Detour Length	(km)	3													
				Semi		S2 52		Train			CS3 75		> On Critical Spans		
GIRDER				GIRDER		RDER				GIF	RDER		>Critical Member		
Design Loadin	g:	HS2	0											> Primary	Span
Deguined Lees		(4)		Oire eile		Po	osting Ir						<b>T</b>	L. Tusia	
Required Load		(t)		Single				Semi					Truck Train Truck Train		
Posted Loadin				Single		<u>A.N.</u>		Semi		/				Ne	
Posted: Posted:	Lane	NB SB		At Junction (Y/N At Junction (Y/N		-	No		In Advance (Y/ In Advance (Y/					ridge (Y/N)	No
	Lane			At Junc	tion (Y/I	N)	No		i Adv	ance (1)	(IN)	No	At B	ridge (Y/N)	No
Remarks		equired.	Vaa												
Hazard Marke Remarks	AL Brid	ge (Y/N)	Yes	rs. Some	1	inc									
Remarks Other Sign Ty	205			ign 25m	-	-	dae 10	Om Soi	ıth						
Other Sight Fy	Jes			ligh zom	NOTITO		ilities (L								
Utility Attachm	ents					01	inties (i		u atj						
Telephone	West	r/\\/						Gas		C	rnee	es road 30m	South		
Power		s 20m Ea	st						Municipal						
Others								Proble	•	(/N) N	0				
Remarks								1.000			5				
							Approa	ich Roa	ad						
					L	ast				on of Co	ondi	tion			
Horizontal Alig	nment					5	5	Field	acce	ss at NE	; far	m access at	SW.		
Vertical Alignn						5	5	Curve	e 150	m N & S	. Lin	nited sight dis	stance	e to N. No pa	ssing.
Roadway Widt	:h (m)		8.000												
Approach Burr	пр					7	7								
Guardrail (Y/N	)		Yes									missing in W	guard	Irail.	
Guardrail						4	4	Most	block	s are ro	tated	d.			
Length (m)			7.600					Lengt	h at l	NE & SV	V. 10	0m @ SE &	NW.		
Current Star	dard (Y/	N)	No					Insuff	icient	length/p	post	s, not thrie be	eam.		
Termination			Turn Do	own											
Drainage						7	7								
								-							
Annroach Ro	ad Gene	eral Rating	9			5	5	1							

					Supers	structure					
Bridge Comp	oonent			Last	Now	Explanation of Condition					
		ns, Lengths(	m): 8.5-8.5-8.								
Special Feat	ures										
Special Featu	ıre				X						
(Type:)											
Special Featu	ıre				Х	_					
(Type : )											
	ace/Deck Top	Detail Ratino	IS								
g	N (%)	1 (%)	2 (%)	3 (%)							
Last						-					
Now	0.0	0.0	0.0	0	.0						
Wearing Surfa	ace	1	1	5	5	Longitudinal cracks, 6 lines, between girders.					
	/pe : MIX TYP			0	U						
(Thickness)	-					-					
,	ection Problem	n Yes				-					
(Y/N)		1 103									
Deck Top				N	N						
Deck Rideabi	lity			8	8						
<b>D I I I</b>											
Deck Joints				X	X	(Buffer angles. 30Sep2009). ACP cracks.					
Bump (Y/N)		No			1						
Deck Drainag				5	5	-					
Drains Clog	ged (Y/N)	No			1						
Curbs/Mediar	<u>ו</u>			4 4		Scaling is mostly plow scapes. Local spalls in 3 locations.					
(Curb Type	: Standard)					_					
Scaling (Pe	rcent Area)	2									
Bridge Rail				8	8	Double layer.					
(Type : GAL	LVANIZED ST	EEL FLEX B	BEAM)								
Bridge Rail Po	osts			7	7						
(Type : GAI	LVANIZED PC	OST STEEL;	GALVANIZED	POST							
ŠŤĖEL)						-					
Bridge Rail/Po				7	7	-					
(Type : GAI	LVANIZED)				-						
Sidewalk				X	X						
Circles Detail	Dations										
Girder Detail	Ratings N (count)	1 (000001)	2 (001104)	3 (cou	unt)						
Last	N (Count)	1 (count)	2 (count)	3 (COU	iiit)	-					
Last	0	0	0		0	-					
-	U	U	U			Same bairling about argelig @ Samen					
Girders	o Inonaction D		2012	4	4	Some hairline shear cracks @ S span. Narrow flexural cracks (4) girders S1.					
•	e Inspection D		p-2012			S1 2 girders with 1 leg cracked in AZ.					
Cracking (Y		Yes				S2G2 has 2 legs cracked in AZ. S2G3,8,10 1 leg cracked in AZ.					
Spalling (Pe	· · · · · · · · · · · · · · · · · · ·	5				S3G4,6 two legs cracked in AZ. S3G5,7,10 one leg cracked in AZ.					
Lift or Connec Grouted (Y/N						S2G6 spall in AZ.					
(Number Of G						1 girder with spall outside AZ. Spalls @ abuts. S3G1 spall in AZ.					
Span Alignm	ent Problems	;									
Vertical (Y/I		No									
Horizontal (		No									
``````````````````````````````````````	ure General R			4	4						
Superstruct	are General R	anny		4	4						

Alberta Transportation

					Subst	ructure
Bridge Com	ponent			Last	Now	Explanation of Condition
Abutments						
(Extended	Backwall Piles	s (Y/N) : <b>Y</b> )				_
	Backwall Piles		i) : <b>1500</b> )			
(Total Numbe	er of Caps/Co	rbels : <b>3:3</b> )				Including crowned subcap.
Bearing Seat	s/Caps/Corbe	Is Detail Ratir	ngs			_
	N (count)	1 (count)	2 (count)	3 (cou	unt)	_
Last						-
Now	0	0	0		0	-
	s/Caps/Corbe			6	6	-
` <b>.</b>	EATED TIMB	ER)				-
(Depth(mm	· · · · · · · · · · · · · · · · · · ·					-
(Width(mm	· · · · · · · · · · · · · · · · · · ·					
Backwalls/Br	eastwalls			6	6	-
Greatest H	eight (m)	1.50		_		
Wingwalls				5	5	
(Total Number	er of Bearing F					N abut piles buried, both abuts have front sheathing.
Piles Detail R		1105. <b>1.1</b> )				Only portion of S abut piles visible.
Tiles Detail R	N (count)	1 (count)	2 (count)	3 (cou	int)	Piles are tied to backwalls by clamps/scabs.
Last	100		2 (000111)	0 (00		
Now	14	0	0		0	-
Piles	14	0	0	N	N	-
Paint/Coating	N			X	X	
	J					
Abutment Sta	Abutment Stability					
Scour/Erosio	n			6	6	
Piers/Bents						
	R-COLUMN)					
	er of Caps/Co	rbels : <b>3:3</b> )				
	s/Caps/Corbe		ngs			
<b>J</b>	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						-
Now	0	0	0		0	Wide check and radial cracking East end of P1 cap.
Bearing Seat	s/Caps/Corbe	ls		4	4	
(Depth(mm						
(Width(mm	· · · · · · · · · · · · · · · · · · ·					
	er of Bearing F	Piles : <b>8:8</b> )				
Piles Detail R						
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last						
Now	8	0	0		0	Most are banded.
Pier Shaft/Pil	es			5	5	First 4 piles from E for each pier are fully sheathed.
Greatest H	eight (m)	3.05				
Bracing/Strut	s/Sheathing			5	5	Sheathing @ East half of piers only. 2 cracked braces @ North pier, minor.
Nose Plate				7	7	
Paint/Coating	]			4	4	Corrosion @ nose plates.
(Colour De	-					1 .
(Colour Co	· · · · · · · · · · · · · · · · · · ·					1
123.001 00	,					1

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	7	
Scour		5	5	Scour around pier 2, old piles @ North pier.
Debris (Y/N) Yes				Old abutments and some old piles remain but are not causing any problem.
Substructure General Rating		4	4	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : E)				Meanders @ both sides.
(D/S Direction : W)				
Alignment		5	5	
Bank Stability		5	5	Cut bank @ SW. Some erosion on curves U/S & D/S.
HWM (m below Top of Curb)	1.5			(01/Mar/2006)
Drift (Y/N)	No			
Slope Protection		5	5	At piers, natural headslope.
(Type : <b>RIP RAP; NATURAL</b> )	l			300mm riprap on South bank & under South span. Natural @ North.
Guidebank/Spurs		X	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		5	5	

				Ma	intenance Re	ecommena	ations						
Inspector Recommendations	Year	r 🛛	Inspecto	r Comments			Department Co	ommen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL													
SEAL CURBS	2012	2	Patch sp	alls & seal cu	rbs.								
PATCH DECK													
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING													
SHOTCRETE REPAIRS													
CORE TIMBER CAPS/CORBELS													
REPAIR/REPLACE TIMBER CAPS													
REPAIR ABUTMENT SCOUR/EROSI	ON												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL STRUTS													
OTHER ACTION	2012	2	Seal ACP cracks over abutment/pier & long										
OTHER ACTION	2012		Replace split guardrail blocks (3).										
OTHER ACTION	2012	2	Reset hazard markers to meet standard.										
OTHER ACTION													
OTHER ACTION Structural Condition Rating (Last/No. (%)	ow) 44.4	/44.4	ļ	Sufficiency (%)	Rating (Last/	Now) (	5.7/65.5	Est	t. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/No	ow) 44.4	/44.4	l	Sufficiency (%)	Rating (Last/	Now) (	5 <b>.7/65.5</b> Department Comments	Est	t. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes
Structural Condition Rating (Last/No. (%) Special Comments for Next Inspection	ow) 44.4	/44.4	•	Sufficiency (%)	Rating (Last/	Now) (	Department	Est	t. Repl. Yr	<u> </u>	Maint. Red	_	Yes
Structural Condition Rating (Last/No (%) Special Comments for				Sufficiency (%)		Now) (	Department Comments	Est	t. Repl. Yr	<u> </u>		_	Yes
Structural Condition Rating (Last/No. (%)   Special Comments for Next Inspection   Maintenance Reviewed By				(%)		Now) (	Department Comments	Est	t. Repl. Yr	<u> </u>		_	Yes
Structural Condition Rating (Last/No. (%)   Special Comments for Next Inspection   Maintenance Reviewed By   Proposed Long-Term Strategy	2006.07.28 Y	Bridg	ge should	(%)	2030.	Now) (	Department Comments	Est	t. Repl. Yr	<u> </u>		_	Yes
Structural Condition Rating (Last/No.   (%)   Special   Comments for   Next Inspection   Maintenance Reviewed By   Proposed Long-Term Strategy   On 3-Year Program (Y/N)	2006.07.28 Y	Bridg	ge should	(%) d be okay unti	2030.		Department Comments		t. Repl. Yr			_	Yes
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	2006.07.28 Y 2006.07.28	Bridg	ge should	(%) d be okay unti	2030.	Previous	Department Comments Date		t. Repl. Yr 30-Sep-2009			_	Yes
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	2006.07.28 Y 2006.07.28 Dave Lam	Bridg	ge should	(%) d be okay unti	2030.	Previous	Department Comments Date						Yes