## Bridge Inspection & Maintenance System (Web 2005)

							nspection								
Bridge File Number 00433 -1 Bridge								PCS							
Year Built/Year	•	1961/196	1			Lot No.				2					
Supstr Bridge en Teurs	NI	OADOTA					Inspector	Inspector Name			Owen Salava				
Bridge or Town	Name				2.0.44		Inspector	Class		BR CLS A					
Located Over		BEAVER WATERC		EEK, 3.89	9.8.11,		Assistant	Name							
Located On		580:02 C	1 13.112				Assistant	Class							
Water Body Cl.	/Year						Inspection	n Date		27-Oct-2011					
Navigabil. Cl./Y	'ear						Data Entry By			Marcia Chavez					
Legal Land Loc	cation	SE SEC 2	2 TWP 3	RGE 3		Data Entr	y Date		21-Nov-2011						
Longitude, Lati	tude	-114:18:4	8, 51:31	:59			Reviewer Name			John O'Brien					
Road Authority		Alberta T	ransporta	ation (AIT)	)		Review Date			10-Nov-2011					
Contract Main.	Area	CMA28								Andrew Smi					
Clear Roadway	//Skew	9.1 /					Dept. Review Date			22-Nov-201	1				
AADT/Year 1,220 / 2010							Follow-Up By								
Road Classification RCU-209-110															
Detour Length	Detour Length (km) 6														
Allowable Load	l (t): Sin			:		S2 52		Train		3 74		> On Criti	cal Spans		
Design Loading	GIRDE				G	IRDER	GI		GI	RDER					
Design Loading: HS20						ostinak	nformation			> Primary Spa			Span		
Required Load Posting (t) Single							Semi				Truc	k Train			
	osted Loading (t)			Single			Semi					k Train			
Posted:	Lane	EB		At Juncti	on (Y/N)	No		vance (	Y/N)	No		idge (Y/N)	No		
Posted:	Lane	WB		At Juncti		No		vance (		No		idge (Y/N)	No		
Remarks Not required.							1	(	.,,		1				
Hazard Marker At Bridge (Y/N) Yes															
Remarks Mounted on 1st guard				uardrail p	ost.										
Other Sign Types Jct 766 sign 25m Eas															
						-	Located at	)							
Utility Attachme	ents T	ELEPHON	IE UTILI	LIES-PHC	ONE LINE										
Telephone	South	buth ditch and curb.													
	7	ditch and	curb.				Gas								
Power	7 wire	ditch and s North sid					Gas Municipal								
	7 wire								No						
Others							Municipal Problem (		No						
Others	7 wire						Municipal Problem (	(Y/N)							
Others Remarks					Last	Now	Municipal Problem ( ach Road Explanat	(Y/N) ion of C		tion					
Others Remarks Horizontal Aligr	nment				9	Now 9	Municipal Problem (	(Y/N) ion of C		tion					
Others Remarks Horizontal Aligr Vertical Alignm	nment ent		de of r/w.			Now	Municipal Problem ( Ich Road Explanat Crest to E	(Y/N) <b>ion of C</b> East.	Condit						
Others Remarks Horizontal Aligr Vertical Alignm Roadway Widtl	nment ent n (m)				9 7	Now 9 7	Municipal Problem ( ach Road Explanat	(Y/N) <b>ion of C</b> East.	Condit						
Others Remarks Horizontal Aligr Vertical Alignm Roadway Widtł Approach Bum	nment ent n (m) p		de of r/w.		9	Now 9	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.					
Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N)	nment ent n (m) p		de of r/w.		9 7 5	Now 9 7 5	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t		rie bea	am.			
Others Remarks Horizontal Aligr Vertical Alignm Roadway Widtl Approach Bum Guardrail (Y/N) Guardrail	nment ent n (m) p		9.000 Yes		9 7	Now 9 7	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.	rie bea	am.			
Others Remarks Horizontal Align Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m)	nment ent n (m) p	s North sid	de of r/w. 9.000 Yes 7.600		9 7 5	Now 9 7 5	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.	rie bea	am.			
Others Remarks Horizontal Align Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand	nment ent n (m) p dard (Y/	s North sid	9.000 Yes 7.600 No		9 7 5	Now 9 7 5	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.	rie bea	am.			
Current Stand Termination	nment ent n (m) p dard (Y/	s North sid	de of r/w. 9.000 Yes 7.600		9 7 5 5 5 	Now 9 7 5 5	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.	rie bea	am.			
Others Remarks Horizontal Align Vertical Alignm Roadway Width Approach Bum Guardrail (Y/N) Guardrail Length (m) Current Stand	nment ent n (m) p dard (Y/	s North sid	9.000 Yes 7.600 No		9 7 5	Now 9 7 5	Municipal Problem ( <b>Ich Road</b> <b>Explanat</b> Crest to E West app	(Y/N) ion of C East. roach s	<b>Condi</b> t	25mm.	rie bea	am.			

						Supers	structure					
Bridge Com	ponent				Last	Now	Explanation of Condition					
	an : PGO, 3 S	pans, L	engths	s(m): 8.5-8.5-	8.5, A-Id							
Special Feat												
Special Feat						X	200mm curb height. 50mm concrete & 50mm ACP, assume this					
(Type : )							to 200mm curb height.					
Special Feat	ure					X	-					
(Type : )						71						
	face/Deck Top	n Detail	Rating									
wearing ear	N (%)	1 (%)	rtating	2 (%)	3 (%)							
Last		. (70)					-					
Now	0.0	0.0 0.0 0.0				.0	-					
Wearing Sur				010	6	6	Random longit. & trans. cracks, sealed.					
					0	0						
(Material Type : ACP)							(Lift pockets void of grout. Some minor breaks @ exteriors. Snow covered @ S. Repaired @ NE. 31Jan2006).					
(Thickness(mm) : 90) Lateral Connection Problem No												
(Y/N) Deck Top					N	N						
реск тор												
Deck Rideability					8	8						
Deck Joints					Х	N	Trans. cracks over abuts/piers - photos. Buffer angles. ACP covered.					
Bump (Y/N) No							ACF covered.					
Deck Drainage					7	7						
Drains Clogged (Y/N) No												
Curbs/Median					4	4	S2 N curb cracked inside fascia - photo.					
(Curb Type : Standard)							Also spalled at N curb under post over P2 - photo. Spalled outside edge in S1 S curb - photo.					
Scaling (Percent Area) 10							S2 has curb spall at P2.					
Bridge Rail					7	7	Double layer.					
	LVANIZED S	TEEL F	LEX B	EAM)			Not proper splice detail.					
Bridge Rail F				/	7	7						
(Type : GALVANIZED POST STEEL;GALVANIZED STEEL)				ALVANIZED	POST							
Bridge Rail/Posts Coating					6	6	-					
					0	0						
Sidewalk					Х	X						
0.1 0.1												
Girder Detail		1 /	unt)	2 (001101)	2/20	unt)						
Last	N (count)	1 (cou	unt)	2 (count)	3 (cou	iiii)	-					
Last Now	0		0	0		0	-					
Girders	U		0	0	6	6	Narrow cracks in AZ of all spans, in end diaphragms only. Minor					
	te Inspection	Date	27-Oct	-2011			exterior spalls.					
Cracking (	•		Yes				1					
	Percent Area)		1				1					
Lift or Conne Grouted (Y/N	ector Pocket		Yes									
(Number Of							-					
<u> </u>	nent Problem	ns										
Vertical (Y			No									
Horizontal			No									
	ure General I				6	6						
Superstruct	ure General I	Nating			Ö	O						

Alberta Transportation

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments											
(Extended	Backwall Pile	s (Y/N) : <b>Y</b> )									
· · ·		s Spacing(mm	n) : <b>1500</b> )								
	er of Caps/Co					Split corner of NW cap, otherwise sounded ok - photo.					
		els Detail Ratir	nas								
Doaring Coa	N (count)	1 (count)	2 (count)	3 (cou	int)						
Last											
Now	0	0	0		0						
	ts/Caps/Corbe	1		5	5	-					
(Depth(mn		(211)				-					
(Width(mm	· · · · · · · · · · · · · · · · · · ·					-					
Backwalls/B	· · · · ·			7	7						
		4.00		7	1						
Greatest H	leight (m)	1.30		6	0						
Wingwalls					6	Wingwall missing at southwest corner, does not appear to be a problem.					
(Total Numb	er of Bearing	Piles : <b>7:7</b> )									
Piles Detail F	Ratings	· · · ·									
	N (count) 1 (count) 2 (count)										
Last											
Now	0	0	0		0						
Piles				6	6						
Paint/Coating					Х						
Abutment Stability					7						
Scour/Erosion					8						
Piers/Bents											
(Type : PIE	ER-COLUMN)	I				Steel HP cap on TT subcap with steel capital on piles except over					
(Total Numb	er of Caps/Co	orbels : <b>2:2</b> )				subcap.					
Bearing Sea		els Detail Ratir	ngs			-					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	_					
Last						4					
Now	0	0	0		0	4					
Bearing Sea	ts/Caps/Corbe	els		8	8						
(Type : <b>ST</b>	EEL)										
(Depth(mn	n) : <b>356</b> )										
(Width(mm	n) : <b>356</b> )										
(Total Numb	er of Bearing	Piles : 7:7)				4th from South @ West has 6mm split, banded. Fully sheeted in,					
Piles Detail F	Ratings					only top portion of piles visible.					
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last	14										
Now	14	0	0		0						
Pier Shaft/Pi				N	N	1					
Greatest H		3.10				1					
	ts/Sheathing	0.110		7	7						
Nose Plate				7	7						
	9					HP can painted peoling 20%					
Paint/Coatin	-			4	4	HP cap painted, peeling 20%. Black.					
	escription : )					-					
(Colour Co	ode:)										

Alberta Transportation

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Pier Stability			8	
Scour		7	7	
Debris (Y/N)	ebris (Y/N) Yes			Old piles in stream.
Substructure General Rating	1	5	5	
		S	structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment			6	
Bank Stability			5	Steep cut D/S.
HWM (m below Top of Curb)	m below Top of Curb) 2.1			(98/02/06)
Drift (Y/N)	No			
Slope Protection		5	5	West headslope only.
(Type : <b>RIP RAP; RIP RAP</b> )				
Guidebank/Spurs		Х	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	NONE)			
Channel General Rating		5	5	

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			Maintenance Recommendations	dations					
Inspector Recommendations	Year	Inspector Comments	nents	Department Comments	nents	•	Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS	2012	Patch spall curbs.	os.						
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION	7								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2012	Upgrade approach	ach guardrail to meet standard.						
OTHER ACTION	2012	Patch West approach.	oroach.						
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Nov	() 61.1/61.1		ciency Rating (Last/Now)	70.0/69.4	Est. Repl. Yr	2022	Maint. Redd. (Y/N)		Yes
(%)			(%)		-				
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		Es	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previous	Previous Assistant's Name					
Next Inspection Date 2	27-Jan-2015		Previous	Previous Inspection Date	02-Oct-2009				
Inspection Cycle (Default) (months) 3	39								
Comment									

			Maintenance Re	ecommend	lations						
Inspector Recommendations		Year	Inspector Comments		Department C	Comme	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
SEAL CURBS		2012	Patch spall curbs.	Defer to Rehab							
PATCH DECK											
OVERLAY DECK											
STRAIGHTEN/REPLACE MEMBERS	3										
WASHING											
SHOTCRETE REPAIRS											
CORE TIMBER CAPS/CORBELS											
REPAIR/REPLACE TIMBER CAPS											
REPAIR ABUTMENT SCOUR/EROS	ION										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL STRUTS											
OTHER ACTION		2012	Upgrade approach guardrail to mee standard.	et	Operations						
OTHER ACTION		2012	Patch West approach.		Operations						
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	low)	61.1/61.	.1 Sufficiency Rating (Last. (%)	/Now)	70.0/69.4	Es	t. Repl. Yr	2022	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments	Rehat	o scheduled in	PMA in 2	2021. DA		
Maintenance Reviewed By	Darror	Ahlsted	lt		Date	30-Oc	t-2012		Estimated Tota	I 0	
Proposed Long-Term Strategy								·		·	
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave I	am		Previous	Assistant's Na	me					
Next Inspection Date	27-Jar	n-2015		Previous	Inspection Date	e	02-Oct-2009				
Inspection Cycle (Default) (months)	39										

Comment