## Bridge Inspection & Maintenance System (Web 2005)

						Bridge Ir	nspec	tion							
Bridge File Number07721 -1 BridgeYear Built/Year1957/1957							Forn	n Type	;		PCS				
Year Built/Year		1957/195	57					Lot N	Lot No.			1			
Supstr								Inspector Name			Jason Saly				
Bridge or Town	Name					- <b>-</b>		Inspector Class			BR CLS A				
Located Over			REEK, 5.1	6, WAT	ERCR	5-51		Assistant Name							
Located On		870:02 C	1 6.625				Assistant Class								
Water Body CI./	Year					Inspection Date						13-Dec-2012			
Navigabil. CI./Ye	ear	044.050						Data	a Entry	Ву		Marcia Chav	/ez		
Legal Land Loca	ation	SW SEC	22 TWP	44 RGE	11 W4	ŧΜ		Data	a Entry	Date		14-Jan-2013	3		
Longitude, Latitu	Ide	-111:31:4	10, 52:47	:60	-		Reviewer Name John O'Brien								
Road Authority		Alberta I	ransporta	ation (AI	1)			Revi	iew Da	ite		20-Dec-2012	2		
Contract Main. A	Area	CMA16						Dept	Dept. Reviewer Name Andrew Smikles						
Clear Roadway/	Skew	10.1 /					Dept. Review Date 17-Jan-2013								
AAD1/Year		570/201	1 (A)					Follo	ow-Up	Ву					
Road Classificat	ion (m)	RCU-209	9-110					-							
Allowable Load (	(t): Sino	gle CS1	28 DER		Semi	C	S2 49 IRDER			Train	CS	3 66 RDER		> On Critic	al Spans ember
Design Loading: HS20									10.			> Primary \$	Span		
				P	osting Ir	nform	ation					,			
Required Load Posting (t) Single						:	Semi				Truc	k Train			
Posted Loading	osted Loading (t) Single					:	Semi			Truck Train					
Posted:	Lane	ne NB At Junction (		tion (Y	/N)	No		In Advance (Y/N)		(/N)	No	At B	At Bridge (Y/N) No		
Posted:	Lane SB At Junction (		tion (Y	/N)	No		In Advance (Y/N)		(/N)	No	At B	ridge (Y/N)	No		
Remarks Not required.								-							
Hazard Marker At Bridge (Y/N) Yes															
Remarks Installed too low.		<i>'</i> .													
Other Sign Types Bump															
				U	tilities (L	ocat	ed at)								
Utility Attachments															
Telephone	West r	/w, strung	g across	creek.				Gas							
Power							Mun	icipal							
Others							Prob	olem (Y	(/N)	٥V					
Remarks															
							Approa	ch Ro	bad						
			!	Last	Now	Expl	Explanation of Condition								
Horizontal Alignment				7	7	Land access to SE. Long sag curve.									
Vertical Alignment			6	6	direc	Crest curves with no passing each direction; passing allowed at bridge.									
Roadway Width (m) 8.500															
Approach Bump			6	6											
Guardrail (Y/N)			Yes					Insu	fficient	posts	next	to bridge. Typ	e VI,	SE corner.	
Guardrail						6	6								
Length (m)			23.000												
Current Standa	ard (Y/N	۷)	No												
Termination Ty	/pe		Turn Do	own											
Drainage						5	N	Snov	w cove	ered.					
Approach Road	l Gene	ral Ratin	g			6	6								

						Supers	tructure
Bridge Component						Now	Explanation of Condition
(Primary Spa	n : <b>PGO, 3 Sp</b>	ans, L	engths	(m): 6.1-6.1-	6.1, <b>A-I</b> c	lent Nu	umber: )
Special Feat	ures						
Special Featu	ire					X	-
(Type : )							_
Special Featu	ire					X	_
(Type : )							
Wearing Surfa	ace/Deck Top	Detail	Ratings	<u> </u>			
	N (%)	1 (%)		2 (%)	3 (%)		-
Last	15						Snow at curbs.
Now	15.0	0	0.0	0.0	0	0.0	
Wearing Surfa	ace				5	5	ACP on concrete overlay.
(Material Ty	/pe : CONCR	ETE)					_
(Thickness(	(mm) : <b>50</b> )						_
Lateral Conne (Y/N)	ection Probler	n	No				
Deck Top					N	N	
Deck Rideabi	lity				6	6	
Deck Joints					N	N	Asphalt covered.
Bump (Y/N)			No				
Deck Drainag	le				7	N	_
Drains Clogged (Y/N) No							
Curbs/Median			N	N	(Rusted rebar showing on NW vertical face - photo. 27/Oct/2006) -		
(Curb Type : Standard)							Snow covered.
Scaling (Percent Area) 5							
Bridge Rail			7	7	Single layer.		
(Type : GAI	LVANIZED S	reel f	LEX B	EAM)			
Bridge Rail P	osts				5	5	13 ogees have been replaced with washers or with no washer.
(Type : TRE	EATED TIMB	ER;TRE	EATED	TIMBER)			
Bridge Rail/Posts Coating					7	7	
(Type : GALVANIZED)							
Sidewalk					X	X	
Girder Detail	Ratings						
	N (count)	1 (cou	unt)	2 (count)	3 (cou	unt)	
Last							
Now	0		0	0		1	
Girders					5	3	PG int with type A curbs S1G2,12; S2G2,12; S3G2,12.
Last Complet	e Inspection [	Date	13-Dec	-2012			S1G2.12: S2G2.12 & S3G2.12 all have wide longit cracks in A7_1
Cracking (Y	′/N)		Yes				leg only.
Cracking (Y/N) Yes   Spalling (Percent Area) 5							I ype A curbs all spalled at leg bottom exposing longit. rebar.
Lift or Connec Grouted (Y/N	ctor Pocket )		No				
(Number Of C	Girders : <b>39</b> )						
Span Alignm	ent Problem	s					
Vertical (Y/I	N)		No				
Horizontal (	Y/N)		No				
Superstructu	ure General F	Rating			5	3	

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					Subst	ructure		
Bridge Comp	onent			Last	Now	Explanation of Condition		
Abutments								
(Extended E	Backwall Piles	s (Y/N) : <b>N</b> )						
(Extended E	Backwall Piles	Spacing(mm	):)					
(Total Numbe	r of Caps/Cor	bels : <b>7:7</b> )				4 top caps, 3 subcaps.		
Bearing Seats	s/Caps/Corbel	ls Detail Ratin	gs					
	N (count)	1 (count)	2 (count)	3 (cou	unt)			
Last								
Now	0	0	0	0				
Bearing Seats	s/Caps/Corbe	ls		6	6			
(Type : TRE		ER)						
(Depth(mm)	):305)							
(Width(mm)	: 355)							
Backwalls/Bre	eastwalls			5	5			
Greatest He	eiaht (m)	3.30			_			
Wingwalls				5	5	NE wingwall top plank broken. SW wingwall reinforced with drill stems - photo.		
						Timber pile broken, redundant.		
(Total Number of Bearing Piles : <b>10:10</b> )								
Piles Detail Ratings								
	N (count) 1 (count) 2 (count)			3 (cou	int)			
Last					3			
Now	N 0 0 1			2				
Piles				3	2	A1P1 cracked at base - photo. A1P7 large splits at grade - photo. A2P5 split near cap. Steel stub repairs @ A2P4,7. P5 split at cap & hollow sounding with hammer		
Paint/Coating				X	Х			
Abutment Stability				4	4	Struts to caps not preventing pile movement.		
Scour/Erosion				N	N	Snow/ice covered.		
Piers/Bents								
(Type : PIER-COLUMN)						4 top caps, 3 subcaps.		
(Total Number of Caps/Corbels : 7:7)								
Bearing Seats/Caps/Corbels Detail Ratings								
N (count) 1 (count) 2 (count)			3 (cou	unt)				
Now	0	0	0		0			
Rearing Seat	s/Cans/Corbo		U	5	5			
		ER)		5	5			
(Type . TRE		-1()						
(Deptn(mm)	) . 305)							
	(5 . 5							
(Total Number of Bearing Piles : 10:10)								
Piles Detail Ratings			0.(					
	IN (COUNT)	T (count)	2 (count)	3 (COL	int)			
Last	-	-	-		2			
NOW	0	0	2		0			
Pier Shaft/Pile Greatest He	es eight (m)	3.20		3	2	P1p1 heavily abraded on U/S side. P1p5 split at top. P1p5 split at ice. Steel stub repair P1p2.		
Bracing/Struts	s/Sheathing			6	6	Struts mostly bearing on caps.		
Nose Plate				X	Х			

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			Subst	ructure			
Bridge Component		Last	Now	Explanation of Condition			
Paint/Coating		Х	X				
(Colour Description : )							
(Colour Code : )							
Pier Stability		5	5				
Scour		N	N				
Debris (Y/N) Yes				Drift catching on pier 2 near fence at East side.			
Substructure General Rating			2				
		S	Structu	re Usage			
		Last	Now	Explanation of Condition			
Channel							
(U/S Direction : W)				Creek swings against S abut.			
(D/S Direction : E)		1	1	in high water.			
Alignment			5				
Bank Stability			4	Vertical banks U/S & D/S. Cattle eroding low banks - No action.			
HWM (m below Top of Curb)				HWM not visible.			
Drift (Y/N)	Yes						
Slope Protection		N	N				
(Type : <b>RIP RAP; RIP RAP</b> )							
Guidebank/Spurs			Х				
Adequacy of Opening			7	S3 used as cattlepass.			
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		4	4				

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Inspector Recommendations	Ye	ar	Inspector Comments	Department Comr	nents		arget Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS	20	13	Core piles, assess repair options, if not yet done.						
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSI	NO								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION	20.	13							
INSTALL STRUTS	20	13	Move struts to tops of piles.						
OTHER ACTION	202	13	Steel stub pile repairs, A1P1,5; A2P5; P1p	.5.					
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N	ow) 44.	4/27.8	8 Sufficiency Rating (Last/Now)	61.1/54.1	Est. Repl. Yr 2	020	Maint. Req	td. (Y/N)	res
(0/)			(0/)						
Special No action for "3" rai Comments for years.	ted girder at	t this tir	ime; bridge work planned for next couple of	Department Comments					
Maintenance Reviewed By				Date		Esti	imated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	<b>Owen Sal</b>	ava	Previ	us Assistant's Name					
Next Inspection Date	13-Mar-20	16	Previ	us Inspection Date	27-Jan-2010				
Inspection Cycle (Default) (months)	39								
Comment									

		Maintenance Recommen	dations				
Inspector Recommendations	Year	Inspector Comments	Department C	comments	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	2013	Core piles, assess repair options, if not yet done.	defer placeme	ent on coring list			
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2013						
INSTALL STRUTS	2013	Move struts to tops of piles.	Defer lowering proper scabs)	g struts to top of piles (using			
OTHER ACTION	2013	Steel stub pile repairs, A1P1,5; A2P5; P1p1,5.	Defer steel pil (Total 5 piles)	e sleeves or stub pile repairs			
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	44.4/27	.8 Sufficiency Rating (Last/Now) (%)	61.1/54.1	Est. Repl. Yr 2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	der at this	time; bridge work planned for next couple of	Department Comments	scheduled in PMA for 2014 re reduced cycle safety inspection	eplacement. pla on.	iced on 6 m	onth
Maintenance Reviewed By John	Umlah		Date	30-Apr-2013	Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name Owen	Salava	Previous	Assistant's Nan	ne			

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Next Inspection Date	13-Mar-2016	Previous Inspection Date	27-Jan-2010
Inspection Cycle (Default) (months)	39		
Comment			