					Bridge li	nspection						
Bridge File Number	76212 -1	Bridge				Form Type		PSR				
/ear Built/Year	1968/196	1968/1968				Lot No.	2	2				
Supstr						Inspector Na	Brian Pientsch					
Bridge or Town Nam						Inspector Cla	BR CLS A					
ocated Over			.10.93, W	ATERCR	S-ST	Assistant Na	Russel Va	Russel Vanderschaaf				
ocated On	64:02 C1	22.519				Assistant Cla	BR CLS B					
Vater Body Cl./Year	·					Inspection D	07-Dec-20	11				
Navigabil. Cl./Year						Data Entry B	Theresa La	acusta				
egal Land Location	SW SEC	28 TWP	84 RGE	11 W6M		Data Entry D	03-Jan-20'	03-Jan-2012				
ongitude, Latitude	-119:40:5	,				Reviewer Na	Eric Carco	Eric Carcoux				
Road Authority	Alberta T	ransporta	ation (AIT)		Review Date	13-Dec-20	11				
Contract Main. Area	CMA04					Dept. Reviev	e David Mori	rison				
Clear Roadway/Skev	w 9.1/					Dept. Reviev		05-Apr-2012				
ADT/Year	450 / 201	1 (A)				Follow-Up By						
Road Classification	RAU-209	-110					·					
Detour Length (km)	999					<u> </u>						
Allowable Load (t):					S2 49	T		S3 64	> On Cri		itical Spans	
		DER			BIRDER		G	IRDER			>Critical Member	
Design Loading:	HS2	.0		-	Posting 4	nformation				> Primary	Span	
Required Load Posti	na (t)		Single		osung II	Semi			Truc	k Train		
Posted Loading (t)			Single			Semi			-	k Train		
	ne EB				No			No			No	
				ion (Y/N)	No	In Advar				ridge (Y/N)		
Posted: Lane WB At Junction (Y					No	In Advance (Y/N) No At Bridge (Y/N) No						
Remarks												
Hazard Marker At Br	ridge (Y/N)	Yes										
Remarks All hazard markers be												
Other Sign Types		Clear R	iver, Curv			lippery, Slowe	er Traffic	keep right.				
				U	Itilities (I	ocated at)						
Jtility Attachments						2						
						Gas						
Power						Municipal						
Others						Problem (Y/N	N) No					
Remarks												
						ch Road	()					
				Las		Explanation of Condition						
Horizontal Alignmen	t			5	5	Curves on both approaches. Bottom of sag curve.						
/ertical Alignment				4	4	10% grade.						
		40.000				-						
Roadway Width (m)		10.000		-	5	-						
Approach Bump		Vcc		5	5							
Guardrail (Y/N)		Yes			2	-						
Guardrail			6	6	-							
Length (m)	()/ ())	49.400				-						
Current Standard ((Y/N)	Yes				-						
Termination Type		TURNE	D DOWN		-	–						
Drainage				3	3	Erosion @ SW Corner. Concrete down drain broke, and seperated at NW & SW. Two erosion channels under S1, one at south end one in n seems to originate from NW cornerphoto Snow/ice covered.				in middle		
Approach Road Ge	neral Ratin	9		4	4							
Approach Road General Rating					4							

Superstructure												
Bridge Comp	onent				Last	Now	Explanation of Condition					
(Primary Spar	n : FC, 3 Spa i	ns, Lenç	gths(n	n): 27.4-27.4-	27.4, A	-Ident I	Number:)					
Special Featu	ures											
Special Featu	ire				7	7						
(Type : EXT	(Type : EXT LATER POST TENS)											
Special Featu	ire					Х						
(Type :)												
Wearing Surfa	ace/Deck Top	Detail R	Ratings	5								
	N (%)	1 (%)		2 (%)	3 (%)							
Last	5	0	1	0	0		Partly snow covered.					
Now	15.0											
Wearing Surfa	ace				5	4	Approx 6 sq. m of chip seal spalled from deck.					
	pe : CONCRI	ETE - CO	ONVE	NTIONAL CH	IIP SEA	L						
(Thickness(mm) : 50)											
Lateral Conne (Y/N)	ection Problem	n N	lo									
Deck Top					N	N						
Deck Rideabi	lity				7	7						
Deck Joints	Deck Joints					5						
Temperatur			15				1					
(Expansion	Type : GLAN	D (WAB	SO-MA	UER, TRANS	SFLEX,	ETC))	Both piers have staining all joints look like they have been repaired at some point.					
(Fixed Type	:)											
Gap Size (mm) Gap Location							_					
80 Abut 1							_					
74 Pier 1							_					
77			Pier 2				_					
82			Abut 2	2			_					
							-					
Deck Drainag					7	7	NO DRAINS					
Drains Clog		N	lo									
Curbs/Mediar	۱				4 N		Spalled on top @ S1 South side15-Mar-2010					
	: JERSEY/F	SHAPE)					Snow covered					
Scaling (Pe	rcent Area)	3	0									
Bridge Rail					X	X						
(Type :)												
Bridge Rail Po	osts				X	X						
(Туре:)												
Bridge Rail/Posts Coating					X	X						
(Type :)												
Sidewalk					X	Х						
Girder Detail	Girder Detail Ratings											
	N (count) 1 (count) 2 (count) 3 (count)						64.04.02 appli with attracting attracting or a surgery days of the strategy of the					
Last	0	0		0		12	S1G1, G3 spall with stressing strand exposed and rusting-wide longitudinal ck in chamfer between web and flange.					
Now						18	G3 & G4S2 both spalled in 3 locations, rust stains and stressing gland exposedphoto					

Alberta Transportation

			Supers	tructure					
Bridge Component		Last		Explanation of Condition					
(Primary Span : FC, 3 Spans, L	.engths(m): 27.4-27.4-	27.4, A							
Girders		3	3	Numerous minor spalls on girder leg bottoms from construction.					
Cracking (Y/N)	Cracking (Y/N) Yes			Typical FC chamfer cracks. Girder S1G1, 2&3-spalling at abut 1 @ diaphragm location.					
Spalling (Percent Area) 1				Vertical cracks at West end S1G1.					
(Number Of Girders : 18)				All girders have rust spots on bottom of legs and longitudinal cks photo					
Diaphragms/Cross Frame		4	4	Spalls in abut 1 diaphrams G1,2,3 into undersdie of girder.					
Bearings		2	4	Pads are showing distortion. S1G1,&G6, S3G1,G6 moved 30mm.					
Temperature (deg. C)	8			S3G2 grout pad spalled.					
(Expansion Type : DISC BEA									
(Fixed Type : REINFORCED TEFLON AND STAINLESS S	NEOPRENE BEARING	WITH							
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	No								
Deck Underside		5	5						
Stains (Percent Area)	1			1					
Span Alignment Problems									
Vertical (Y/N)	No			Pads are showing signs of distortion, S1G1 & G6 and S3G1 & G6					
Horizontal (Y/N)	Yes			moved 30mm					
Superstructure General Ratin	g	2	4						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments			1.1011						
Bearing Seats/Caps		6	6						
(Type : CONCRETE)									
Backwalls/Breastwalls		5	4	100mx100m spalls SW & NE corner of backwalls.					
Wingwalls		3	3	Salt deterioration and spalling at all four wingwalls.					
Piles		N	N						
Paint/Coating		Х	Х						
Abutment Stability		5	5						
Scour/Erosion		3	3	1x2m erosion scars on W. headslope originating from sidesphoto					
Piers/Bents									
(Type : PIER-SOLID)									
Bearing Seats/Caps		6	6						
(Type : CONCRETE)									
(Total Number of Bearing Piles	: 1:1)			Several small spalls on WEst side pier 1, top N side.					
Pier Shaft/Piles		5	4						
Bracing/Struts/Sheathing		X	X						
Nose Plate		7	7	Nose plate rusting					
Paint/Coating		4	4	Capseal peeling.					
(Colour Description :)									
(Colour Code :)				1					
Pier Stability		7	7						
Scour		5	5						

			Subst	ructure						
Bridge Component		Last	Now	Explanation of Condition						
Debris (Y/N)	Yes			Minor drift (100mm dia) NW bank.						
Substructure General Rati	ng	5	5							
		5	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel										
(U/S Direction : N)										
(D/S Direction : S)				River attacking West headslope and undermining toe of slope.						
Alignment			4							
Bank Stability			4	Vertical banks u/s and d/s.						
HWM (m below Top of Curb	(m below Top of Curb)			No HWM visible.						
Drift (Y/N)	Yes									
Slope Protection		3	3	Concrete slope protection E. headslope . Only toe of W. headslope						
(Type : CONCRETE)				eroded 1m deepphoto						
Guidebank/Spurs		8	8	2 spurs on East upstream bank.						
Adequacy of Opening		7	7							
(Fish Compensation Measu	re 1 : NONE)									
(Fish Compensation Measu	re 2 : NONE)									
Channel General Rating		3	3							

Maintenance Recommendations														
Inspector Recom	mendations	ear	Inspector C	Comments			Department Co	ommer	nts		Target Year	Est. Cost	Cat #	
REPAIR/REPLAC	E BRIDGE RAIL													
GALVANIZE/PAINT BRIDGE RAIL														
SEAL CURBS														
PATCH DECK														
SEAL DECK														
OVERLAY DECK														
REPAIR/REPLACE DECK JOINTS														
RESET/ PAINT B	EARINGS													
WASHING														
SHOTCRETE RE	PAIRS													
REPAIR ABUTME	ENT SCOUR/EROSIO	ON 20	012	Under spar	<u>ו 1</u>									
PLACE ADDITIO	NAL RIP RAP													
REMOVE DRIFT	ACCUMULATION													
OTHER ACTION		20	012	REPAIR CO	ONCRETE DR	AINS,PARA	PETS.							
OTHER ACTION		20	012	Repair haz	ard markers									
OTHER ACTION		20	012	Patch wing	gwalls.									
OTHER ACTION			012	Repair spa	II where stress	ing strand ex	xposed.							
OTHER ACTION		20	012	Repair slop	e protection, V	V. headslope	Э							
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			8.9/50.0	0 S (%	ufficiency Rat %)	ting (Last/N	ow)	35.4/40.8	Es	t. Repl. Yr	2040	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	Comments for							Department Comments						
Maintenance Reviewed By								Date			E	Estimated Total	0	
Proposed Long-T	erm Strategy													
On 3-Year Progra	ım (Y/N)													
Proposed Action	<i>,</i> /													
Previous Inspector's Name Brian			ian Pientsch					Previous Assistant's Name						
Next Inspection D	07-Sep-2					Previous Inspection Date 15-Mar-2010								
Inspection Cycle	(Default) (months)	21												

Comment