							Bri	idge Ir	nspec	tion							
Bridge File Num	ber	er 02235 -1 Bridge								Form Type			PSR				
Year Built/Year		1957/	1957	7					Lot No.			2					
Supstr	\.\.	FOIO	/!! ! [	_						Inspector Name			Jason Saly				
Bridge or Town I	vame				/ 2 00 1:	2 \\/\TE	DCD	OC CT	Inspector Class			BR CLS A					
					X, 3.88.1.	Z, VVATE	/ATERCRS-ST			Assistant Name							
Located On	/oor	700.1	201	3.264						Assistant Class							
Water Body Cl./Year Navigabil. Cl./Year						Inspection Date						16-Feb-2012					
Legal Land Loca		SW/S	EC 1	15 T\//D	30 PGE	3 \N/5N/			, ,				Marcia Chavez				
Longitude, Latitu				1, 52:20:		55				Entry			09-Mar-2012				
Road Authority	iue				ation (AIT	Г)								John O'Brien			
Contract Main. A	rea	CMA1		ansporte	20011 (7311	' '				Review Date 29-Feb-2012							
Clear Roadway/		7.9 / 0		า						Dept. Reviewer Name							
AADT/Year	ORCW			9. 10 (A)							ew Dat	:e	14-Mar-201	2			
Road Classificat	ion	RCU-							Follo	w-Up	Ву						
Detour Length (k		6							1								
Allowable Load (		ale F	1 39 3IRD	)ER		Semi	HS 5	51 DER					1 33 74 RDER		> On Critical Spans>Critical Member		
Design Loading:		F	<b>IS</b> 20	)											> Primary Span		
							Pos	ting Ir	nform	ation							
Required Load Posting (t)				Single					Semi	ni			Truc	k Train			
Posted Loading	(t)			Single					Semi					Truc	k Train		
Posted:	Lane	NE	3		At Junction (Y/N)		l) N	10	In Advan		ance (`	(/N) No A		At B	At Bridge (Y/N) No		
Posted:	Lane	SE	3		At Junc	tion (Y/N	//N) No		In Advance (Y/N)		No	At Bridge (Y/N) No		No			
Remarks																	
Hazard Marker A	At Brid	ge (Y/N	۷)	Yes													
Remarks				At varyi	ng heigh	ts & loca	tions	(0.7m	n o/s).								
Other Sign Type	S																
Utility Attachmer	nte						Otili	ities (L	_ocate	ed at)							
Telephone	115								Gas								
Power	1 wire	s acro	ee ro	nad @ N	orth and	& 3 wire	3 wires 20m off										
1 OWEI	c/l.	3 4010	33 10	Jau e IV	Ortif Cria	Q 5 WIIC	5 WII es Zolli oli			Municipal Problem (Y/N) No							
Others									1 100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/14)						
Remarks																	
								pproa									
								Now	Explanation of Condition								
Horizontal Alignr							7	7	'T' intersection at SW corner.								
Vertical Alignme					8			8	-								
Roadway Width	(m)			8.600			,		Bum	Bump markers installed both approaches			settled				
Approach Bump			I			4	4		Bump markers installed both approaches, settled.								
			Yes			_	-	-									
Guardrail			40.000			7	6										
Length (m)	- mal () ( /	'N I \		19.000					19m	@ SW	V, 34.2	m @	SE & NW, 22	2.8m @	® NE.		
Current Standa		N)		No	D D0\4"				Not	standa	rd spa	cing,	posts off end	of bri	dge - 1 requir	ed all corners.	
Termination Ty Drainage	/pe			TUKNE	D DOW		8	N	Snov	w cove	ered.						
	l Gana	ral Do	tina					7									
Approach Road	Gene	iai Ka	ung				7										

					Supers	structure				
Bridge Comp	nonent			l ast		Explanation of Condition				
		ns. Lengths	s(m): 18.3-18.3			•				
Special Feat		,	<u>(). 1010 1010</u>	10.0, 7	· idoiic					
Special Feat					X					
(Type:)										
Special Feature					X					
·	(Type:)									
	ace/Deck Top	Detail Ratin	as							
Treaming Can	N (%) 1 (%) 2 (%)				1					
Last	0	0	0	3 (%)	0	Outton and a sure d				
Now	10.0	0.0	0.0		0.0	Gutters snow covered.				
Wearing Surf	Wearing Surface					(Delam adjacent joints - photos. 13Sep2005).				
		ETE - CON\	ENTIONAL CI	HP SEA	_  6_ <b>\</b> L	Chip seal coat on HDOL.				
COAT)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
(Thickness	(mm) : <b>100</b> )									
Lateral Conn (Y/N)	ection Probler	m No								
Deck Top				N	N					
Deck Rideab	ility			6	6					
Deck Joints				3	4	Open joint at N/S abut causing slope erosion.				
Temperatu	re (deg. C)	-5				Fibre board missing at both abut joints.  Just leakage causing deterioration to concrete end diaphragms at piel locations.				
(Expansion	Type : <b>SLIDI</b> I	NG PLATES	5)							
(Fixed Type	: BUFFER A	NGLES)								
Gap Size (r	mm)	Gar	Location							
46		1 pi	er (South pier)							
45		2 pi	er (North pier)							
30		Abu	t 1 (South abut	ment)						
14		Abu	t 2 (North abut	ment)						
Deck Drainag	 je			5	4	No deck drains.				
Drains Clog						See deck jnt diaphragm; underside deck & bearing damage from leakage.				
Curbs/Media	n			3	3	Som hslp erosion.  Wide longit. crack full length of E curb.				
	: Standard)					Various delam/spall W curb due to low cover.				
	ercent Area)	20								
Bridge Rail				6	5	Single layer; minor accident damage @ W rail, N span - no problem.				
	LVANIZED S	TEEL FLFY	BEAM)			Some nuts only 50% threaded.				
Bridge Rail P			)	3	3	NW end post missing nut on one A/B.				
		OST STEEL	GALVANIZED		J	-				
Bridge Rail/Posts Coating					6					
(Type : GALVANIZED)										
Sidewalk					X					
Girder Detail	Ratings									
	N (count)	1 (count)	2 (count)	3 (co	unt)					
Last										
Now	0	0	0		0					

Superstructure										
Bridge Component		Last		Explanation of Condition						
(Primary Span : PO, 3 Spans, L	.engths(m): 18.3-18.3-1	8.3, A	-Ident I	Number: )						
Girders		5	5	Typical spalls around shoe plates.						
Cracking (Y/N)	Yes									
Spalling (Percent Area)	1									
(Number Of Girders : 12)										
Diaphragms/Cross Frame		6	4	Minor scaling at abut diaphragms due to leaky joints. Spalling of end diaphragms at the S pier.						
Bearings		5	5	Bearings not set on proper alignment on South pier East side.						
Temperature (deg. C)	-11									
(Expansion Type : )										
(Fixed Type : )										
Coating Adequate (Y/N)	No									
Functioning (Y/N)	Yes									
Deck Underside		4	4	Staining & slight spalling of concrete at joint locations under the						
Stains (Percent Area)	1			gutter.						
Span Alignment Problems										
Vertical (Y/N)	No									
Horizontal (Y/N)	No									
Superstructure General Ratin	g	4	4							
			Outest							
Bridge Component		Last	Now	Explanation of Condition						
Abutments		Lasi	INOW	Explanation of Condition						
Bearing Seats/Caps		7	5	Horiz. crack in N abut, minor.						
(Type : CONCRETE)				Gravel, dirt & debris on seats.						
Backwalls/Breastwalls		7	6							
Backwaiic, Broadtwaiic										
Wingwalls		7	7							
Piles		N	N							
Paint/Coating		Х	Х							
Abutment Stability		7	7							
Scour/Erosion		3	4	Minor erosion channels start at N abut seat.						
Piers/Bents										
(Type : PIER-SOLID)				Cracked & scaling under P1G1 & P1G4 bearings.						
Bearing Seats/Caps		4	4	Staining from joints; vertical cracks extending from under P1G1/P1G4 bearings.						
(Type : CONCRETE)				- F101/F104 beatings.						
(Total Number of Bearing Piles	: 0:0)									
Pier Shaft/Piles		5	5							
Bracing/Struts/Sheathing		Х	Х							
Nose Plate		7	7							
Paint/Coating		5	5	Nose plate has surface corrosion.						
(Colour Description : )										
(Colour Code : )										
Pier Stability		8	8							
Scour		N	5	Minor scour aroud S pier.						
Debris (Y/N)	Yes		1	Debris against S pier on S bank.						

Substructure											
Bridge Component		Last	Now	Explanation of Condition							
Substructure General Rating		4	4								
			Now	re Usage Explanation of Condition							
Channel	I.	Lust	11011	Explanation of condition							
(U/S Direction : W)											
(D/S Direction : E)											
Alignment		8	8								
Bank Stability		8	7								
HWM (m below Top of Curb)				HWM not visible but drift accummulation on top of pier caps indica							
Drift (Y/N)	No			level of high water.							
Slope Protection		3	4	Insufficient at hslps.							
(Type: NATURAL; NATURAL	.)										
Guidebank/Spurs		Х	Х								
Adequacy of Opening		7	5								
, tacquacy or opening		•									
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		3	4								

				Maintenance Re	commend	ations					
Inspector Recommendations	Y	/ear	Inspecto	or Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2	2012	Replace bolt.	missing nut on NW end pos	t anchor						
GALVANIZE/PAINT BRIDGE RAIL											
SEAL CURBS		2020	Rehab c	urbs.							
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS											
RESET/ PAINT BEARINGS	2	2020	At major	rehab.							
WASHING	2	2012	Annually	<b>'</b> .							
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON 2	2012	Repair h	eadslopes & armour.							
PLACE ADDITIONAL RIP RAP	2	2012		Class I/II.							
REMOVE DRIFT ACCUMULATION											
OTHER ACTION	2	2012	Remove	gravel from abutment seats	j.						
OTHER ACTION	2	2012		er caps cracked under bearii							
OTHER ACTION	2	2012		hazard markers to meet sta	_						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		44.4/44.4		Sufficiency Rating (Last/N	Now)	52.6/54.3	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	·					Department Comments			,		
Maintenance Reviewed By						Date	e Estimated Total 0				
Proposed Long-Term Strategy 2005		.10 Brid	ges shou	ld be good until 2020 when r	rehab is red	quired.					
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave La	ım			Previous	Previous Assistant's Name					
		2015			Previous	revious Inspection Date 13-Sep-2005					
Inspection Cycle (Default) (months) 3							· ·				

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

02235 -1 Bridge

Comment