Bridge Inspection																	
Bridge File Number 75957 W-3 Bridge							Form Type		PSR								
Year Built/Year 1981/1981								Lot No.			2						
Supstr									Ins	Inspector Name			Wade Nanninga				
Bridge or Town Name FALLIS									Inspector Class			BR CLS A					
Located Over 31:02 C1									Assistant Name								
Located On 16:12 L1 17.024								Ass	Assistant Class								
Water Body Cl./	Year								Inspection Date			09-Aug-2012					
Navigabil. Cl./Year									Data Entry By			Theresa Lacusta					
Legal Land Location NW SEC				18 TWP 53 RGE 5 W5						Data Entry Date		21-Aug-2012					
Longitude, Latitude -114:			4:44:16, 53:35:05							Reviewer Name		Eric Carcoux					
Road Authority		Alb	erta Tı	ransport	ation (Al	T)	-			view Dat	e		21-Aug-2012				
Contract Main. A	rea	СМ	A12						Dei	ot. Revie	wer N	Name	Brent Herric				
Clear Roadway/	Skew	13.	1 / -9 c	deg. (LH	F)					ot. Revie			22-Aug-2012				
AADT/Year		8,6	40 / 20)11 (A)						low-Up E							
Road Classificat	ion	RAI	D-412.	.4-120						.o., op 2	-,						
Detour Length (F	(m)	1															
Allowable Load (t): Sin	igle	CS1	28		Semi	CS	CS2 49		-	Train	cs	3 62		> On Critic	al Spar	าร
5															>Critical Member		
Design Loading:			MS2	30											> Primary	Span	
De avrine d Vent C	N) ti	. ()	LINDE	2.04.0		osting I	ntorr	nation							
Required Vert. C				g (m)	UNDEF	K: 31 C	7 5.2	m									
Posted Vertical (· /		Yes			() (/ h I)			0.0		D:1 ()	5 0		() ((h I)	\ <u>\</u>
	NB			dge (m)		In Adv		, ,	Yes	Lane	SB	0	n Bridge (m)	5.2	In Advance	(Y/IN)	Yes
Remarks			ai ciear	ance sig		ted on	7595	/E.		0			Two-sta Tanin				
Required Load F		(t)			Single					Semi			Truck Train				
Posted Loading					Single	(4)		Semi			Truck Train						
Posted:	Lane		EB		At Junction (Y/N)			No			vance (Y/N)		No	J , ,		No	
Posted:	Lane WB			At Junction (Y/		′/N)	No		In Adva	ınce ((Y/N)	No	At Br	ridge (Y/N)	No		
Remarks Not required.																	
Hazard Marker At Bridge (Y/N) No																	
Remarks Not required																	
Other Sign Types Merge, Information			tion.														
							Ut	ilities (Loca	ted at)							
Utility Attachmer																	
Telephone			in med		_				Ga								
Power	6 wire	s 40	m We	st of brid	lge.					nicipal	(b. 1)						
Others									Pro	blem (Y	/N)	No					
Remarks																	
								Approa Now		oad olanatio	n of (Condi	lan				
Horizontal Aligni	ment						Last 8	NOW 8					grade separa	ation			
							6	6		top or cr	coi, i	ypical	grade separa	atiOH.			
	Vertical Alignment				0	0											
Roadway Width (m) 12.800			6	6													
Approach Bump				6	6	lo -	ufficions.	nco+/-	nnos!:-	a not the 1-	20~						
Guardrail (Y/N) Yes				7	7	IIIS	umcient	pust/s	spacin	g, not thrie be	zaiii.						
	Guardrail C5 000				7	7											
Length (m) 65.000																	
Current Standard (Y/N) No																	
Termination Type Turn Down				6													
Drainage							6	6									
Approach Road	l Gene	eral l	Rating	I			6	6									

							tructure				
Bridge Com							Explanation of Condition				
(Primary Spa	n : DBT, 3	3 Spans,	Lengths	(m): 10-20-10	, A-Ide	nt Num	ber:)				
Special Feat	ures					_					
Special Featu	ıre					X					
(Type:)											
Special Featu	ıre					X					
(Type:)											
Wearing Surf	ace/Deck	Top Deta	ail Rating	s							
	N (%)	1 (%		2 (%)	3 (%)						
Last											
Now											
Wearing Surf	ace	<u>'</u>			4	5	Section of chip coat worn off along deck joints .				
		ICRETE -	- CONVE	NTIONAL CH			_ common and promise and another promise and promise a				
(Thickness	(mm) : 50)									
Lateral Conn (Y/N)			No								
Deck Top					N	N					
Deck Rideab	ility				7	7					
Deck Joints					3	3	Leaking at both abutments between G5 & G6 - photo.				
Temperatu	re (deg. C	;)	27								
(Expansion	Type : G	LAND (W	/ABO-M	AUER, TRANS	SFLEX,	ETC))					
(Fixed Type	∍:)										
Gap Size (r	nm)		Gap I	_ocation							
30 West abutment											
40			East	abutment							
Deck Drainag	16				3	3	No deck drains. Joints leaking between G5 & G6 on both abutments.				
Drains Clog)	No								
Curbs/Media		,	110		5	4	Small chip out of North curb over East pier and South curb West pier.				
(Curb Type		rd\			J	1 7	Typical vertical cracks/staining on exterior of bridge post bolts.				
Scaling (Pe			2				Transverse cracking. Scaling/cracking around cover plate @ NW/NE				
<u> </u>	icent Area	<u>a)</u>									
Bridge Rail					8	8	One post cap missing @ SW, 2nd post - photo. Grout scaling from				
(Type : GA		DSIEEL	. BRIDGI	= IUBE)			two base plate locations SW - photo.				
Bridge Rail P					4	4	Rusting at base plates.				
(Type : GA STEEL)	LVANIZE	D POST	STEEL;0	SALVANIZED	POST		3				
Bridge Rail/P	osts Coat	ina			4	4					
(Type : GA											
	LVANIZL	<u>D)</u>			X	X					
Sidewalk					^	_ ^					
Girder Detail	Ratings										
N (count) 1 (count) 2 (count)				2 (count)	3 (cou	unt)					
Last						1					
Now						1					
Girders					3	3	1 small spall at SW corner of West abutment possibly from erection.				
Cracking (Y	//N)		Yes				Medium crack at mid web longitudinally almost full length on all of				
Spalling (Po		ea)	1				curb girders. Bottom of girder scaling & spalled S3G6 at abutment - photo.				
(Number Of C											
		,									

			Supers	tructure				
Bridge Component				Explanation of Condition				
(Primary Span : DBT, 3 Spans	s, Lengths(m): 10-20-							
Diaphragms/Cross Frame	•	4	4	Hairline cracks at the end diaphragms. Diaphragm between G5-6 on				
				both abutments are spalled on backside .				
Bearings		5	5	Fixed at East abutment.				
Temperature (deg. C)	27			Deck leakage between G5 & G6 on both abutments is corroding bearing plates - photo.				
(Expansion Type : REINFOF TEFLON AND STAINLESS	CED NEOPRENE BE STEEL)	ARING W	/ITH	bearing plates - prioto.				
(Fixed Type : REINFORCED	(Fixed Type : REINFORCED PAD BEARING)							
Coating Adequate (Y/N)	No							
Functioning (Y/N)	Yes							
Deck Underside		6	6	Crack @ East abutment mid. Rust stains.				
Stains (Percent Area)	1							
Span Alignment Problems								
Vertical (Y/N)	No							
Horizontal (Y/N)	No							
Superstructure General Rati	ng	3	3					
·	-							
Bridge Component		Loot		ructure				
Bridge Component Abutments		Last	Now	Explanation of Condition				
Bearing Seats/Caps		4	4	Wide horizontal crack @ East abutment mid with rust stains - photo.				
(Type : CONCRETE)				wide horizontal crack & East abutment find with rust stains - photo.				
Backwalls/Breastwalls		5	5	Light scaling on East backwall between G5 & G6.				
Dackwalls/Dicastwalls		J	J	Light Scaling on Last backwan between Go & Go.				
Wingwalls		5	5	Map cracking/staining.				
Piles		N	N					
Paint/Coating		5	5					
Abutment Stability		8	8					
Scour/Erosion		Х	4	Slope protection pulled away 70mm and cracked.				
Piers/Bents		'						
(Type : PIER-COLUMN)				Narrow horizontal cracks North side both caps.				
Bearing Seats/Caps		6	6					
(Type : CONCRETE)								
(Total Number of Bearing Piles	s : 7:7)							
Pier Shaft/Piles		7	7					
Bracing/Struts/Sheathing		X	X					
Nose Plate		X	X					
Paint/Coating		5	5	Paint has chauky appearance. Lots of graffiti.				
(Colour Description :)				Red.				
(Colour Code :)								
Pier Stability		8	8					
Scour		Х	X					
Debris (Y/N)	No							
Substructure General Rating	3	4	4					

Structure Usage									
		Last	Now	Explanation of Condition					
Grade Separation			_						
Road Alignment			6	Limited site distance to South.					
Traffic Safety Features			X						
Туре	None								
Slope Protection	Slope Protection			Both concrete slope protection pulled away 70mm at top.					
(Type : CONCRETE; CONCRE	TE)								
Bank Stability		7	7						
Drainage			6						
Grade Separation General Rati	ng	4	4						

75957 W-3 Bridge

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance Re	commendations	3					
Inspector Recommendations	Year	Inspector Comments	Depa	artment Commer	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2012	Repair leaks in joints.							
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSIO	N								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION									
OTHER ACTION	2012	Repair spall on bottom of girder 6 sp	an 3.						
OTHER ACTION	2012	Patch spalls on diaphragms & bearing	ng caps.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No (%)	w) 38.9/38	Sufficiency Rating (Last/l	Now) 49.5/49	9.3 Es	st. Repl. Yr	2043	Maint. Red	qd. (Y/N)	Yes
Special	<u>'</u>	•	Depa	artment					
Comments for			Comi	ments					
Next Inspection									
Maintenance Reviewed By			Date			E	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Kris Bosters		Previous Assista	Previous Assistant's Name					
	09-May-2014		Previous Inspection Date 06-Oct-2010						
	21		,		10 00. 20.0				
Comment									