Inspector Name	
Bridge or Town Name	
Located Over	
WATERCRS-ST B81:12 C1 0.136 Water Body CI./Year Navigabil. CI./Year Legal Land Location NE SEC 14 TWP 55 RGE 9 W4M Longitude, Latitude -111:13:11, 53:45:15 Reviewer Name Reviewer Name Reviewer Name Brent Herrick Contract Main. Area Clear Roadway/Skew 7.9 / AADT/Year Allowable Load (I): Single Design Loading: HS20 Posted: Lane NB Assistant Class Inspection Date 27-Jun-2012 Data Entry By Wayne Cappellani 08-Nov-2012 08-Nov-2012 08-Nov-2012 Dept. Reviewer Name Brent Herrick Dept. Reviewer Name Brent Herrick Dept. Review Date 13-Nov-2012 Follow-Up By Pollow-Up By Posting Information Required Load (I): Single Posted: Lane NB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Remarks Other Sign Types North Saskatchewan River, steep hill. Utilities (Located at) Assistant Class Inspection Date 27-Jun-2012 27-Jun-2012 Data Entry By Wayne Cappellani 08-Nov-2012 08-Nov-2012 Deviewer Name Brent Herrick Dept. Review Date 13-Nov-2012 Follow-Up By Follow-Up By Follow-Up By Follow-Up By Train CS3 72 > On Critical > Critical Men > Critical Men > Critical Men > Primary Sp Fosting Information Required Load Posting (t) Single Semi Truck Train Truck Train Posted: Lane B At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No At Bridge (Y/N) No Remarks Other Sign Types North Saskatchewan River, steep hill. Utilities (Located at) Utilities (Located at)	
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Power Municipal Others Problem (Y/N) No Remarks Approach Road	
Others Problem (Y/N) No Remarks Approach Road	
Remarks Approach Road	
Approach Road	
Horizontal Alignment 6 6 Long curves in both directions. Steep grades in both directions.	ctions at 5%
Vertical Alignment 5 5 in sag curve. No passing both directions.	
Roadway Width (m) 8.000	
Approach Bump 5 6	
Guardrail (Y/N) Yes Posts broken @ NE corner. North approach guardrails too	o low
Guardrail 4 4 (average 400 high). Insufficient posts next to bridge. Crea 500mm torn @ NE, functional.	ased,
Length (m) 93.700	
Current Standard (Y/N) No	
Termination Type Turned Down	
Drainage 4 4 Drain trough under N abut leaking and scour hole underned deep.	
Approach Road General Rating 5 5	neath 1m

				tructure				
Bridge Component			Last	Now	Explanation of Condition			
(Primary Span : WG, 5 Spa	ans, Lengths(m): 59.4-73.2-	73.2-7	3.2-59.	4, A-Ident Number: A0609-01)			
Special Features								
Special Feature				X				
(Type:)								
Catwalk Access			X	X				
(Type : UNLOCKED)								
Wearing Surface/Deck Top Detail Ratings								
N (%)	1 (%)	2 (%)	3 (%)					
Last								
Now 0.0	0.0	0.0	(0.0				
Wearing Surface (Material Type : CONCRETE - CONVENTIONAL CHIL COAT)			4 IP SEA	7 \L				
(Thickness(mm): 50)								
Deck Top			N	N				
Deck Rideability			7	7				
Deck Joints			4	4	Both abutment joint slapping. SE & SW curb cover plate bolts			
Temperature (deg. C)	20				sheared - photo. Abutment side fingers loose. Finger welds broken. Fingers are up 5- 6mm at both abtments.			
(Expansion Type : FINGE	ER PLATES)				The government of the contract			
(Fixed Type :)								
Gap Size (mm) Gap Location								
22 N. abut (A2) 55 S. abut (A1)								
Deck Drainage		4	4	Rust showing through concrete, cracked concrete curb at drains.				
Drains Clogged (Y/N) No								
Curbs/Median			3	3	(Hole in West curb S4 & exposed waterstop - photo. 10-Sep-2010)			
(Curb Type : Standard)					Some local delam & corrosion staining, typical both sides, spalls - photo. Spalled, corrosion damage in S3. Water stop exposed at			
Scaling (Percent Area)	3				several locations along inside curb face.			
Bridge Rail			8	7	1 nut missing on A/B in post -1 West - photo.			
(Type : GALVANIZED S	TEEL BRIDGE	TUBE)			Post grout pads are delaminated to some extent. Base of posts rust stained. Most post anchor bolts flush with nut or less. Nuts missing,			
Bridge Rail Posts			3	3	insufficient threads, grout pads deteriorating. 1 post cap missing.			
(Type: GALVANIZED POST STEEL; GALVANIZED P STEEL)			POST					
Bridge Rail/Posts Coating			7	7				
(Type : GALVANIZED)								
Sidewalk		Х	Х					
Girder/Beam			V		Con 25 man in sindays towis-1			
Cover Plate			X	X	Sag 25 mm in girders, typical. 2 stiffeners were never installed.			
Flange			5	5	I.P. in longitudinal stiffener splices			
Web		7	7	Flange plate weld cracks. Bottom lateral gusset plate weld cracks.				
Stiffeners			7	3	_			
Splice			7	5				
Weld			7	4				
Diaphragms/Cross Frame			7	3	weld flaws.			

			Supars	tructure			
			Explanation of Condition				
(Primary Span : WG, 5 Spans, I	engths(m): 59.4-73.2-						
Paint Condition	ong.ne(). corr roiz	7	7	Fascia side & bottom flanges have been painted.			
(Colour Description : GREEN)				a doia side a bottom nanges have been painted.			
(Colour Code : 14090)							
Touchup Required (Y/N) No							
Bearings		5	5	(Welds are being stressed, one cracked. 00/10/17) P4 grout pad			
Temperature (deg. C)	20	J	1 3	East side chipped. P3, 25mm overextended. Some bearing A/B's			
(Expansion Type : SLIDING P		ING)		missing top nutat P4. AB at N. abut (G2) bent. A1,A2,P1,P3,P4			
(Fixed Type : PINNED BEARI		()		Pier 2 has grout pad deterioration on G4			
Coating Adequate (Y/N)	Yes						
Functioning (Y/N)	Yes						
Deck Underside	100	6 6		Random transverse hairline cracks with leaching stains &			
Stains (Percent Area)	2	0 0		efflorescence.			
Span Alignment Problems							
Vertical (Y/N)	No						
Horizontal (Y/N)	No						
Superstructure General Rating		5	3				
Superstructure General Italing	9						
			Subst	ructure			
Bridge Component		Last	Now	Explanation of Condition			
Abutments							
Bearing Seats/Caps		7	7				
(Type : CONCRETE)			1				
Backwalls/Breastwalls		7	7				
Wingwalls		7	5	NW has deterioration			
Piles		N	N				
Paint/Coating		4	4	Some deterioration to sealer.			
Abutment Stability		7	7				
Scour/Erosion		7	7				
Piers/Bents							
(Type : PIER-SOLID)							
Bearing Seats/Caps		7	7				
(Type : CONCRETE)							
(Total Number of Bearing Piles :	0:0:0:0)		T _				
Pier Shaft/Piles		7	7				
Bracing/Struts/Sheathing		X	X				
Nose Plate		6	6				
Paint/Coating		4	4	Nose plates 50% rusted. Localized concrete finish flaking. Silver. P1 - theorsheen flaking			
(Colour Description :)				Silver. If I - theoretical haking			
(Colour Code :)							
Pier Stability		7	7				
Scour		7	7				
Debris (Y/N)	Yes			Drift @ P3			
Substructure General Rating		7	7				

		5	re Usage	
		Last		Explanation of Condition
Channel				
(U/S Direction : W)				
(D/S Direction : E)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Curb)	HWM (m below Top of Curb)			HWM not visible.
Drift (Y/N)	Yes			@ P3
Slope Protection 4 4		Erosion at N headslope from leaking drain trough.		
(Type: NATURAL; NATURAL)				
Guidebank/Spurs		Х	X	
Adequacy of Opening		8	8	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating 4 4				

Bridge Inspection & Maintenance System (Web 2005)

74236 -1 Bridge

Maintenance Recommendations								
Inspector Recommendations	Year	Inspector Comments	Department Comments	Targe	et Year E	st. Cost	Cat	
REPAIR/REPLACE BRIDGE RAIL	2012	Replace missing post A/B nuts (3), tighten loose nuts; patch delam grout pads. Replace missing post cap,						
GALVANIZE/PAINT BRIDGE RAIL								
RETROFIT BRIDGE RAIL								
SEAL CURBS	2012	Patch delams & seal. Patch @ scupper drains.Repair curb spall						
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS	2012	Repair broken finger welds @ A1 & P2						
RESET/ PAINT BEARINGS								
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2012	Upgrade guardrail to meet standard.					\top	
OTHER ACTION	2012	Repair scour near A2 trough drain.						
OTHER ACTION	2012	Drill out & replace sheared curb cover plate bolts (A1 joint).						
OTHER ACTION	2012	Patch drain trough.						
OTHER ACTION	2012	Repair broken approach post @ NE						
OTHER ACTION	2013	Welded girder repairs						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION							1	
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION							+	
OTHER ACTION							+	
Structural Condition Rating (Last/Now) (%)	66.7/55	Sufficiency Rating (Last/Now) (%)	59.2/53.2 Est. Repl. Yr	2030 N	/laint. Reqd.	. (Y/N)	Yes	
Special Girders & bearings painter Comments for Next Inspection	ed in fall 20	009. Piers & upper shafts were sealed.	Department Comments					

Maintenance Reviewed By		Date		Estimated Total	0
Proposed Long-Term Strategy					
On 3-Year Program (Y/N)					
Proposed Action					
Previous Inspector's Name	Arnold Assenheimer	Previous Assistant's Name	Wade Nanninga		
Next Inspection Date	27-Sep-2015	Previous Inspection Date	10-Sep-2010		
Inspection Cycle (Default) (months)	39				
Comment					