Bridge Inspection																	
Bridge File Num	ber	0858	84 -1 Bri	idge					Form Type			PCS					
Year Built/Year										Lot No.			1				
Supstr									Inspector Name			Owen Salava					
Bridge or Town Name DRUMHELLER							<u> </u>	C OT	Insp	Inspector Class			BR CLS A				
Located Over MICHICHI CREEK, 3.35, WATER						VATER	RCR3-31			Assistant Name							
Located On 838:02 C1 0.312									Assistant Class								
Water Body Cl./									Inspection Date			11-May-2011					
Navigabil. Cl./Year Legal Land Location NW SEC 11 TWP 29 RGE 20 W						20 \\/\/1	N /I		Data	a Entry	Ву		Marcia Chavez				
Longitude, Latitu			:43:00,			20 7741	IVI		Data Entry Date			19-May-2011					
Road Authority	iue				tion (Al	Γ\			Reviewer Name			John O'Brien					
Contract Main. A	\rea	CMA		ιορυιτο	וה) ווטוו	1)			Review Date				17-May-201	1			
Clear Roadway/		8.2 /									ewer Na		Chris Black				
AADT/Year	ORCW		/ 2010 (/	Ά)							ew Date	9	01-Jun-2011				
Road Classificat	ion	2007	2010 (, ()					Follo	ow-Up	Ву						
Detour Length (
Allowable Load	1		CS1 30 GIRDEI			Semi		S2 49 IRDER			Train		3 70 RDER		> On Critical Spans >Critical Member		
Design Loading:			HS20									> Primary Spar			Span		
							Р	osting Ir	nform	nation							
Required Load Posting (t) Single									Semi			Truck Train					
Posted Loading	(t)				Single					Semi				Truck Train			
Posted:	Lane	E	В		At Junction (Y/N)		N)	No		In Adv	ance (Y	/N)	No	At Bridge (Y/N) No		No	
Posted:	Lane	V	/B		At Junction (Y/N)			No	In Adva		ance (Y	/N)	No	At Bridge (Y/N) No		No	
Remarks																	
Hazard Marker At Bridge (Y/N) Yes																	
Remarks Flashing yellow haza					hazard	ligh	t @ SW	& NE	corner	S.							
Other Sign Type	S.																
Utility Attachmer	oto						Ut	tilities (L	ocat	ed at)							
Telephone	South	ditch							Gas			`rocc	os road @ E	act ab	utmont		
Power			n North.							Municipal			ses road @ East abutment.				
Others	Street			•						Problem (Y/N) Yes							
Remarks				onnec	ting NW				1 10	1) 111016	/14/	00					
rtomanto	Toluo	oona	art, aroo	0111100	ung ruv			Approa	ch R	oad							
						L	.ast		Explanation of Condition								
Horizontal Aligni	ment						6	6		On North Dinosaur Trail 0.31km West of Hwy 9. Many approa					approaches		
Vertical Alignme	nt						8	8	nea	r bridge) .						
Roadway Width	(m)		13	3.500					Minor rutting at NE.		≣.						
Approach Bump						5	5										
Guardrail (Y/N) Yes								None West, 72m of jersey barrier @ SW approach protects pedestrian walkway. Terminal ends not continuous with bridgerail.									
Guardrail					5	5		estrian thrie be		ıy. I e	erminal ends	not co	ontinuous with	ı briagerail.			
Length (m) 15			5.000					1.55 2 554									
Current Standard (Y/N) No																	
Termination Ty	уре		St	tandar	d ends												
Drainage							4	4		Storm sewer outlet. Minor erosion @ NW headslope from roadrainage.			om road				
Approach Road	d Gene	ral R	ating				6	6									

				5	Supers	structure						
Bridge Component					Now	Explanation of Condition						
(Primary Span : HC , 3	3 Span	s, Lengths(n	n): 10.1-10.1-			•						
Special Features		<u> </u>										
Special Feature					Х							
(Type:)												
Special Feature					Х							
(Type:)												
Wearing Surface/Decl	k Top [Detail Patings	<u> </u>									
N (%)		1 (%)	2 (%)	3 (%)								
Last		1 (70)	2 (70)	3 (70)		_						
Now 0.0)	0.0	0.0	0	.0	-						
Wearing Surface	,	0.0	0.0	6	6	Asphalt wearing surface. Some longitudinal cracks & transverse						
(Material Type : AC	D \			0	0	cracks @ piers. All sealed.						
(Thickness(mm) : 50	_ ·					_						
Lateral Connection Pr		No				_						
(Y/N)	obiem	INO										
Deck Top		<u> </u>		N	N	ACP covered.						
2001. 100						1.6.						
Deck Rideability				7	7							
Deck Joints				N	N	ACP covered.						
Bump (Y/N)		No										
Deck Drainage				6	6							
Drains Clogged (Y/N	۷)	No										
Curbs/Median				3	3	70% of curbs are scaling. Span 2 North curb face is delaminated for						
(Curb Type : Standa	ard)					60% length.						
Scaling (Percent Are	ea)	70										
Bridge Rail				4	4	Single layer. S1SW has 1 missing splice bolt plus SE curb has						
(Type : GALVANIZE	ED STI	EEL FLEX BE	EAM)			improper splice & 3 missing splice bolts. SW post has no anchor bolt nuts.						
Bridge Rail Posts			•	3	3	S1 SW curb has 8 missing A/B nuts.						
(Type : GALVANIZE STEEL)	ED PO	ST STEEL;G	ALVANIZED	POST		Moderate corrosion on pedestrian rail.						
Bridge Rail/Posts Coa	ating			4	4							
(Type : GALVANIZE	ED)											
Sidewalk				6	6							
Girder Detail Ratings												
N (coun	nt)	1 (count)	2 (count)	3 (cou	nt)	25/36 have wide longitudinal cracking and/or spalling in both legs in						
Last				2	25	AZ.						
Now 0		0	0	2	:5							
Girders				3	3	G4, span 1 hairline shear crack @ ends.						
Last Complete Inspec	tion Da	ate 11-May	-2011									
Cracking (Y/N)		Yes										
Spalling (Percent Ar	rea)	10										
Lift or Connector Pocket No Grouted (Y/N)						6 lift pockets not grouted at North curbs.						
(Number Of Girders : 36)												
Span Alignment Pro	blems											
Vertical (Y/N)		No										
Horizontal (Y/N)		No										
` , ,	Superstructure General Rating											
				3	3							

					Subst	tructure						
Bridge Comp	onent			Last	Now	Explanation of Condition						
Abutments		·										
(Extended E	Backwall Piles	(Y/N) : N)				E abut has tight access.						
(Extended E	Backwall Piles	Spacing(mm):)									
(Total Numbe	er of Caps/Cor	bels : 3:3)				Caps and subcaps cored May 13, 2010. A1 subcap is rotted with voids and approximately 15mm bulging. A1 top caps cored, beginning rot.						
Bearing Seats	s/Caps/Corbel	s Detail Ratin	gs									
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last					1							
Now	0	0	0		1							
Bearing Seats	s/Caps/Corbel	S		3	3							
(Type : TRE	EATED TIMBE	ER)										
(Depth(mm)): 350)											
(Width(mm)): 300)											
Backwalls/Bre				N	N	Not visible.						
Greatest He	eiaht (m)	1.10										
Wingwalls	- J - ()			X	X	Unknown.						
(Total Numbe	er of Bearing P	iles : 9:9)				Piles cored May 13, 2010. 10 of 18 piles are buried. Top 200-300 of						
Piles Detail R	atings					piles visible on others.						
	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last	10											
Now	10	0	0		0							
Piles				5	5							
Paint/Coating	ı			X	X							
Abutment Sta	ability			5	5							
Scour/Erosion	n			4	4	Minor erosion @ NW hslp.						
Piers/Bents												
	R-COLUMN)											
	er of Caps/Cor	bels : 1:1)										
	s/Caps/Corbel		as									
g can	N (count)	1 (count)	2 (count)	3 (cou	unt)							
Last	()	. (555)			2	Spall P1 N end under G12 approx 400 x 300. Spall P2 N end unde G12 approx 500 x 300.						
Now	0	0	0		2							
	s/Caps/Corbel	·	, ,	3	3							
(Type : CO												
(Depth(mm)												
(Width(mm)	•											
_ ` ` `	er of Bearing P	ilos · 6·6)				300mm steel pipe piles.						
Piles Detail R		11 0 5 . 0.0)				300mm steet pipe piles.						
i iles Detali K	N (count)	1 (count)	2 (count)	3 (cou	ınt)							
Last	in (count)	r (count)	Z (COUIII)	3 (00)	arit)	1						
Now	0	0	0		0							
				7	7	-						
Pier Shaft/Piles Greatest Height (m) 3.80					,	1						
					X							
	Bracing/Struts/Sheathing											
Nose Plate				X	X							
Paint/Coating				4	4	Paint gone from bottom of piles.						
(Colour Des	scription:)					Blue.						
(Colour Cod	de :)											

			Subst	ruotura					
D. L. O.		Last		ructure					
			Now	Explanation of Condition					
Pier Stability			7						
Scour		4	4	Minor scour at NE.					
Debris (Y/N) No									
Substructure General Rating			3						
		5	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : N)									
(D/S Direction : S)									
Alignment		6	6						
Bank Stability			5	Cut banks U/S & D/S and under bridge.					
HWM (m below Top of Curb)				No visible high water.					
Drift (Y/N)	No								
Slope Protection		4	4	Class II @ West about 1/2 way up. Erosion @ both headslopes.					
(Type: RIP RAP; RIP RAP)		·							
Guidebank/Spurs			6	Retaining wall along East bank.					
Adequacy of Opening		6	6						
(Fish Compensation Measure	1 : NONE)								
(Fish Compensation Measure 2	2 : NONE)								
Channel General Rating		4	4						

08584 -1 Bridge

					Maintenance I	Recommend	lations						
Inspector Recom	mendations		Year	Inspecto	r Comments		Department Cor	mmen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	CE BRIDGE RAIL	:	2011	Install 8 lassembly	bridge post anchors, nuts y at SW post.	& anchor							
SEAL CURBS			2011		et 0.1m(3) NH grout x 6. F oprox 3m2.	atch curb							
PATCH DECK													
OVERLAY DECK													
STRAIGHTEN/REPLACE MEMBERS													
WASHING	WASHING												
SHOTCRETE RE	SHOTCRETE REPAIRS												
CORE TIMBER (CORE TIMBER CAPS/CORBELS			Excavate	e, core piles at E abut.								
REPAIR/REPLAC	CE TIMBER CAPS	:	2011	All caps/s	subcaps.								
REPAIR ABUTM	ENT SCOUR/EROSI	ON											
PLACE ADDITIO	NAL RIP RAP	:	2011	20 cu m	Class I @ East @ 5m(3)	@ West.							
REMOVE DRIFT ACCUMULATION													
INSTALL STRUTS													
OTHER ACTION			2011		plice at span 1 SE curb, a SE & 1 at SW curbs.	dd 3 splice							
OTHER ACTION			2011	Patch pie	er caps 0.2m(3) OH-V.								
OTHER ACTION		:	2011	Advise T	elus of broken conduit at l	NW.							
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			33.3/33.3 Sufficiency Rating (Last/N				43.8/43.8	Est	t. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	Consider replacing 13May2010. Move S3G4 under s Girders rated 3, no	sidewalk.		vith new T	T with ERL of 15yrs. See I	NTF of	Department Comments						
Maintenance Rev	viewed By						Date			Е	Estimated Total	0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Garr		Garry R	Roberts			Previous	Assistant's Name						
Next Inspection [Date	11-Aug	-2014			Previous	Previous Inspection Date 13)			
•	(Default) (months)	39											
Comment													

Bridge Inspection & Maintenance System (Web 2005)