							В	ridge Ir	spection								
Bridge File Number 78031 -1 Bridge									Form Typ	е		SG					
Year Built/Year		1979	9/197	9					Lot No.			2	2				
Supstr		DET		0110115		05 (50			Inspector	Name		Wade Nan	Wade Nanninga				
Bridge or Town N	Name	MAC	CKAY	OUGHEI)	ED BRID	GE (FO	R I		Inspector			BR CLS A	BR CLS A				
Located Over		ATH	ABAS	SCA RIV	ER, 8.11	, WATE	RCI	RS-ST	Assistant Name								
Located On		63:1	4 C1	0.071					Assistant Class								
Water Body Cl./Year									Inspection Date				15-Nov-2011				
Navigabil. Cl./Year									Data Entry By			Theresa Lacusta					
Legal Land Location SW SEC 7 TWP 94 RGE 10 W4						0 W4M			Data Entry Date			12-Dec-2011					
Longitude, Latitude -111:36:43, 57:08:03								Reviewer Name				Eric Carcoux					
Road Authority		Albe	rta Tı	ransporta	ation (AI	Γ)						23-Nov-20					
Contract Main. A	rea	CMA	107									e Brent Herri					
Clear Roadway/S	Skew	10 /							Dept. Rev		ite	15-Dec-20	11				
AADT/Year									Follow-Up	Ву							
Road Classificati	on	RAU	J-213.	.4-120					-								
Detour Length (k	m)	999															
Allowable Load (f	t): Sin	gle	CS1	28		Semi	CS	S2 49	Train CS3 62		S3 62	3 62> On Critical Me					
Design Loading:			MS2	3									> Primary Span				
							Ро	sting Ir	nformation								
Required Load Posting (t) Single								Semi			Truck	rain Train					
Posted Loading ((t)			Single					Semi			Truck Train					
Posted:	Lane	E	В		At Junction (Y/N) No		In Advance (Y/N)		No	At Bridge (Y/N)		No			
Posted:	Lane					tion (Y/N	(Y/N) No		In Advance (Y/N)		No	At Bridge (Y/N)		No			
Remarks Not required.																	
Hazard Marker A	t Bridg	je (Y	/N)	Yes													
Remarks																	
Other Sign Types	S			Informa	tion, Ath	abasca l			e Deck Icy cocated at		ssin	g					
Utility Attachmen	te						Οι	ilues (L	-ocaled at								
	S row								Gas								
·		- M -	SE/SI	W corne	•				Municipal								
Others	+ WIIC	3 6 (OL/O	vv come					Problem (Y/NI)) No						
Remarks									Tropicin (1714)								
Remarks								∆nnroa	ch Road								
						La	ast	Now		on of (of Condition						
Horizontal Alignn	nent						6	6	Contact SYNCRUDE SECURITY for access to catwalk where						k where		
Vertical Alignmer							7	7	required. Long gradual curves in both directions. Bridge on grade.						le.		
Roadway Width ((m)			11.200					W. approa	ach has	wide	e crack at ap	proach	oach slab with pot holes. Filled			
Approach Bump							3	5	with cold mix.								
Guardrail (Y/N)				Yes							NE-a	accident dam	ageph	oto			
Guardrail							3	3	2 broken Insufficier	oosts. It posts	- tie	ins strengthe	ened wit	th steel bars			
Length (m)				99.000						,		2 2 2 2	····				
Current Standa	ard (Y/I	N)		No													
Termination Ty	ре			Turned	Down												
Drainage							4	N	Embankm Mar-2010 Snow cov	ent drainage eroding holes in front of East abutment ered.			butment08-				
Approach Road General Rating					6	6											

						Supers	tructure					
Bridge Comp	onent						Explanation of Condition					
		ns, Len	ngths(ı	n): 78-98-98-			Number: A0827-01)					
Special Featu		<u> </u>	•	<u>, </u>	•							
Special Featu						X						
(Type:)	_ -											
Special Featu	re					X						
(Type:)												
Wearing Surfa	ce/Deck Ton	Detail F	Patings									
	N (%) 1 (%)			2 (%)	3 (%)		Viewed from slow moving vehicle					
Last	14 (70)	1 (70)		2 (70)	3 (70)		Viewed from Slow moving verticle					
Now	15.0	0.	0	0.0		0.0						
Wearing Surfa		Ű.		0.0	6	5	FRSF overlay.					
	pe : CONCRE	TF)					Narrow transverse cracks @ 1.0 spacing full width. Wide transverse					
(Thickness(·· ·					cracks near midspan. (Light scaling along gutter mainly @ Fast abutment 40m, West 1/4 L					
(11110K11655(1	. 30)						(Light scaling along gutter mainly @ East abutment 40m. West 1/4 L WB has rust, inhibitor concrete installed (test strip), no defects noted08-Mar-2010)					
Deck Top					N	N						
Deck Rideabil	ity				8	7						
Deck Joints					3	3	West joint fingers not bearing fully & rattling under traffic EB.					
Temperature (deg. C) -10							2 broken and missing steel finger at West abutphoto					
(Expansion	Type : FINGE	R PLA	TES)									
(Fixed Type	:)											
Gap Size (m	Gap Size (mm) Gap Location											
220	20 East abut											
West abutment				abutment								
Deck Drainage	e				3	3	Drain troughs don't extend low enough. Water staining on bottom					
Drains Clog	ged (Y/N)	Y	'es				flangephoto					
Curbs/Median					5	N	(Minor scrapes by plow. 2 West cover plates. Plow scraps along					
(Curb Type							curb. Missing bolts.					
Scaling (Per		1					Moderate scaling on top of curb in some sections08-Mar-2010)					
Bridge Rail					6	6	(5% of post A/B's with insufficient thread, a couple post grout pad					
	VANIZED ST	FFI B	RIDGE	TUBF)			delam17-July-08)					
Bridge Rail Po			(IDGE	· ODL)	N	N	Gravel/mud covering posts/AB					
	VANIZED PO	ST STI	EEL;G	ALVANIZED		IN	Corrosion at some post base plates. Dirty.					
Bridge Rail/Po	osts Coating				4	N						
(Type : GAL					-	14						
Sidewalk	VAINIELD)				Х	Х						
Girder/Beam												
Cover Plate					8	8	Catwalk under bridge is inaccessible, viewed with binoculars from					
Flange					7	7	banks.					
Web					8	8						
Stiffeners					8	8						
Splice					8	8						
Weld					8	8	1					
Diaphragms/C	Cross Frame				8	8						

			Supers	tructure					
Bridge Component			Now	Explanation of Condition					
(Primary Span : WG, 5 Spans, L	engths(m): 78-98-98-			•					
Paint Condition		6	6	Weathering steel.					
(Colour Description :)		<u>'</u>							
(Colour Code :)									
Touchup Required (Y/N)	No								
Bearings		5	5	Rockers fully expanded at both abutments @ 18 degree C17-July-					
Temperature (deg. C)	-10			08					
(Expansion Type : ROCKER B	EARING)			70% expanded at -10 degree CEast abut.					
(Fixed Type :)	·								
Coating Adequate (Y/N)	Yes								
Functioning (Y/N)	Yes								
Deck Underside		7	7	Random rust spots showing through deck (old stains).					
Stains (Percent Area) 1				1					
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating		5	5						
3									
		1-		ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments			T _						
Bearing Seats/Caps		7	7						
(Type : CONCRETE)			T _						
Backwalls/Breastwalls		7	7						
Wingwalls		6	5	Cracking/scaling at SW corner - 0.5m2					
Piles		N	N						
Paint/Coating		6	6						
Abutment Stability		6	6						
Scour/Erosion		4	4	300mm void at toe of E abut. seat.					
Piers/Bents									
(Type : PIER-SOLID)				Viewed from banks.					
Bearing Seats/Caps		8 8							
(Type : CONCRETE)									
(Total Number of Bearing Piles :	0:0:0:0)			Wide crack at P3 extending from SB up 6m.					
Pier Shaft/Piles		5	5	Med map cracking at P2 with staining-extending 80% of pier.					
Bracing/Struts/Sheathing		Х	Х						
Nose Plate		8	8						
Paint/Coating		6	6	Minor staining at waterline.					
(Colour Description :)									
(Colour Code :)									
Pier Stability		8	8						
Scour		7	7						
Debris (Y/N)	Yes			Caught on P2					

Substructure											
Bridge Component		Last	Now	Explanation of Condition							
Substructure General Rating		5	5								
				The same of the sa							
			re Usage								
01		Last	Explanation of Condition								
Channel											
(U/S Direction : S)											
(D/S Direction: N)											
Alignment		9	9								
Bank Stability		8	8								
HWM (m below Top of Curb)				HWM not visible.							
Drift (Y/N)	Yes			Caught on P2							
Slope Protection		7	4	Void at toe at E abut.							
(Type: NONE; NONE)											
Guidebank/Spurs		X	X								
Adequacy of Opening		9	9								
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7									

78031 -1 Bridge

			Mainten	ance Recommend	lations						
Inspector Recommendations	Year	Inspecto	r Comments		Department C	Commen	its		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
RETROFIT BRIDGE RAIL											
SEAL CURBS											
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS		Shim all fingers a	fingers to stop slapp t W.	oing. 2 missing							
RESET/ PAINT BEARINGS	2015	Reset ro	ckers. Next major re	ehab.							
REPAINT SUPERSTRUCTURE											
STRAIGHTEN/REPLACE MEMBERS											
WASHING		Unclog o	deck drains.								
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSIG	NC										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION		Replace damage	broken guardrail po d flexbeam NE.	sts (3) and (3)							
OTHER ACTION		Lower dr	rain tubes.								
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 55.6/5	55.6	Sufficiency Rating	g (Last/Now)	48.5/51.2	Es	t. Repl. Yr	2062	Maint. Re	qd. (Y/N)	Yes
Special Obtain access to ca person according to Next Inspection	twalk at Synci signs on the	rude office if gate. Monito	required. Will also or cracking at piers.	require a standby	Department Comments						
Maintenance Reviewed By					Date			E	Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Arnold Asser	heimer		Previous	vious Assistant's Name Wade Nanninga						
Next Inspection Date	15-Aug-2013			Previous	Inspection Date		08-Mar-2010				
Inspection Cycle (Default) (months)	21				·						
Comment											