						=	Bridge I	nspect	ion								
Bridge File Num	File Number 08781 -1 Bridge								orm Type PSR PCS								
Year Built/Year		1964/196	64					Lot N	0.			1					
Supstr								Inspe	Inspector Name			Brian Pientsch					
Bridge or Town	Name				0.40.50	40.6		Inspe	ctor Cla	ss		BR CLS A					
Located Over		WATER	RLODGE   CRS-ST	RIVER, 8	8.10.58.	.18.8	3.1,	Assis	tant Nar	ne							
Located On			1 12.423					Assistant Class									
Water Body Cl./						Inspection Date				24-Jun-2010							
Navigabil. Cl./Ye				Data Entry By			Jill Potts										
Legal Land Loca	14 TWP	73 RGE		Data	Data Entry Date			14-Oct-2010									
Longitude, Latitu	ıde	-119:34:2	25, 55:18:	:58			Revie	wer Nar	ne		Arnold Asse	nheim	ner				
Road Authority			ransporta		T)			Revie	w Date			17-Sep-201	0				
Contract Main. A	Area	CMA05	•	•	•			Dept. Reviewer Name Steve Pasquan									
Clear Roadway/	Skew	8.2 /						Dept. Review Date 19-Nov-2010									
AADT/Year		480 / 200	09 (A)					Follov	w-Up By								
Road Classificat	tion	RCU-209															
Detour Length (I	km)	13															
Allowable Load	T T	ngle			Semi				Tr	ain				> On Critical Spans			
												>Critic		>Critical I			
Design Loading:	Design Loading: HS20								4:					> Primary	/ Span		
Required Load Posting (t) Sin						Р	osting i		nformation Semi				Truck Train				
Posted Loading		) (4)		Single Single					emi				Truck Train Truck Train				
Posted:	Lane	ЕВ				tion (Y/N)			n Advano	20 (V	/NI\	No		ridge (Y/N)	No		
Posted:	Lane	WB		At Junc			No No		n Advan			No		ridge (Y/N)	No		
Remarks		equired.		At Julio	ition (17	11)	INO	11	TAGVAIN	56 (17	/1 <b>\</b>	INO	At Di	lage (1/14)	140		
Hazard Marker			Yes														
Remarks	At Dila	ge (1/1 <b>1)</b>		inetalla	d too lo	oo low, on first guardrail post leaning and are loose - photo.											
Other Sign Type	,c			Protected water shed.													
Other Olgin Type			1 101001	oa wator	oriod.	Ut	ilities (l	Locate	d at)								
Utility Attachme	nts T	ELEPHO	NE UTILI	ΓIES-PH	IONE LI		,										
Telephone		d South r/						Gas									
Power		e wire OH						Municipal									
Others								Problem (Y/N) No				1					
Remarks									`								
							Approa	ach Roa	ad								
					L	ast	Now	Expla	Explanation of Condition								
Horizontal Align	ment					9	9										
Vertical Alignme	ent					8 8											
Roadway Width	(m)		9.000	9.000				ACP is cracked and ravelling at abutments - photo.									
Approach Bump						4	4										
Guardrail (Y/N)			Yes					Angle	bracket	conr	necti	on to parape	t does	not meet sta	andard & could		
Guardrail					4 4		Posts	leaning	all 4	corr	collision - ph ners. NE turn	เบเบ. down	end set too	high.			
Length (m)			11.800						Ū						-		
Current Stand		N)	No														
Termination T	уре		Turn Do	wn													
Drainage						5	5										
Approach Road	d Gene	eral Ratin	a			8	8	1									
Approach Road General Rating																	

				Supers	tructure					
Bridge Component					Explanation of Condition					
(Primary Span : PM, 3 Spans, Lei	ngths(n	n): 12.2-16.8-	12.2, A	-Ident I	Number: )					
Special Features										
Special Feature				X						
(Type:)										
Special Feature				X						
(Type:)										
Wearing Surface/Deck Top Detail	Ratings									
N (%) 1 (%)		2 (%)	3 (%)							
Last										
Now										
Wearing Surface			Х	Х	Staining on undeside of girders under grout keys indicates leakage.					
(Material Type : )					All grout keys are cracked and spalling - photo.					
(Thickness(mm):)					All grout keys are cracked and spanning - prioto.					
Lateral Connection Problem (Y/N)	Yes									
Deck Top			5	5	Tops of girders have light scaling.					
Deck Rideability			6	6						
Deck Joints			4	3	Blockouts over piers and at approaches are spalling & cracked. Waterstops exposed and not functioning as designed, leaking. Spalls					
Temperature (deg. C)	21				partially patched with ACP.					
(Expansion Type : WATER STO	P)									
(Fixed Type : WATER STOP)					Joints spalled.					
Gap Size (mm)	Gap L	ocation								
	Abutm	ent 1								
	Pier 1									
	Pier 2									
	Abutm	ent 2								
Deck Drainage			5	5	(Water ponding on deck between curb and first interior girder - photo.					
Drains Clogged (Y/N)	No				07/Oct/2009)					
Curbs/Median			5	5	Deep grader scrapes on face of curb.					
(Curb Type : <b>Standard</b> )										
Scaling (Percent Area)	10									
Bridge Rail			5	5						
(Type : GALVANIZED STEEL F	LEX B	EAM)			1 post on North rail has insufficient threads on anchor bolts (2					
Bridge Rail Posts			4	4	threads).					
(Type: GALVANIZED POST ST STEEL)	ΓEEL;G	ALVANIZED	POST		Posts are rusting.					
Bridge Rail/Posts Coating			4	4						
(Type : GALVANIZED)										
Sidewalk			Х	Х						
Girder Detail Ratings										
N (count) 1 (cou	unt)	2 (count)	3 (cou	unt)						
Last										
Now										
Girders			5	5	Span 2 G8 deep spall patched with ACP. Some intermitant hairline					
Cracking (Y/N)	Yes				cracks on deck top running over top voids, S2/G1,2,4,9,10. Rust spots on underside of girders due to wires -photo.					
	1				spots on underside of girders due to wires -photo.					
(Number Of Girders : 10)										

						Supers	tructure					
Bridge Comp	onent				Last	Now	Explanation of Condition					
	n : <b>PM, 3 Spa</b> ı	ns, Ler	ngths(n	n): 12.2-16.8-	12.2, A	-Ident	•					
Diaphragms/0	Cross Frame				Х	Х						
Doorings					NI	NI.	Diere to high to view					
Bearings Temperatur	o (dog. C)		 21		N	N	Piers to high to view.					
	e (deg. C) Type : <b>NEOP</b> l			DEADING\								
				· · · · · · · · · · · · · · · · · · ·								
(Fixed Type : <b>NEOPRENE STRIP BEARING</b> )  Coating Adequate (Y/N) Yes												
<b>O</b> ( )						5	Ctains from looks as through grout kous					
	Deck Underside Stains (Percent Area) 5						Stains from leakage through grout keys.					
<u> </u>			<u> </u>									
Vertical (Y/I	ent Problems		No									
Horizontal (	•		No									
			INU									
Superstructi	ire General R	ating			5	5						
						Supers	tructure					
Bridge Comp	onent				Last	Now	Explanation of Condition					
(Secondary S	pan : <b>PE</b> )											
Special Feat	ures					_						
Special Feature						X						
(Type:)					1							
Special Featu	Special Feature											
(Type : )												
Wearing Surfa	ace/Deck Top	Detail	Ratings									
	N (%)	1 (%)		2 (%)	3 (%)							
Last	0		0	0		5						
Now					5	5.0						
Wearing Surfa	ace				X	X	Leaking between girder legs, staining.					
(Material Ty	rpe : )											
(Thickness(	mm) : )											
Lateral Conne (Y/N)	ection Problem	n '	Yes									
Deck Top					3 3		Deck top has severe scaling. Numerous spalled and debonded areas. Some areas patched with ACP - photo.					
Deck Rideabi	lity				5	5						
Deck Joints					N	3	Cast connections cracking over pier and abutments. Concrete					
Bump (Y/N)			No				blockouts for waterstops completely broken up. Partially patched with ACP.					
Deck Drainag	Α				4	4	Drainage is eroding headslopes 5 x 0.4 x 0.2m (lwd) gullies on West					
Drains Clog		1	No			· ·	headslope. Water ponding on deck between curb girder and first interior girder.					
Curbs/Mediar	)				4	4	2m long longitudinal crack with delaminated areas NW curb. Lots of					
	: Standard)				'		grader scrapes. 0.5 x 0.6m spalls on all 4 corners of curbs - photo.					
Scaling (Pe	·		0									
Bridge Rail					4 4		Retrofit angle bracket connection to paramet do not meet any					
	_VANIZED ST	FFI F	IFX B	EAM)	7	-	Retrofit angle bracket connection to parapet do not meet any standard and could be dangerous during a collision.					
Bridge Rail Po				-/ (IVI)	5	5	Posts are rusting.					
	VANIZED PC	OST ST	ΓEEL;G	ALVANIZED		J						
Bridge Rail/Po	osts Coating				4	4						
(Type : GAI					+	-+						
(Type . GAI	-VANILED)											

Bridge Component (Secondary Span : PE) Sidewalk					structure
(Secondary Span : <b>PE</b> ) Sidewalk			Last	Now	Explanation of Condition
Sidewalk			1_0.01	111011	
			X	X	
Girder Detail Ratings					
N (count) 1 (cou	nt)	2 (count)	3 (cou	ınt)	
Last 0	0	0		4	
Now			1	2	
Girders				3	Span 1, G1 & 8,10, S3 two medium cracks within AZ one leg. S1G2-
Last Complete Inspection Date 24-Jun-2010					4,5, S3G1,3-5, 8-10 have wide crack in leg with AZ with medium cracks in the other leg. Wide longitudinal crack on deck top and
Cracking (Y/N) Yes					underside SP1 G3 & SP1G8 - photo. SP1/G2,3,4,5,6,7 & 8 and
Spalling (Percent Area) 1					SP3G7 undersides have moisture/salt discolouration. SP1 G3, 9 SP3 G6,7 wide crack in AZ 2 legs concrete soundness not confirmed -
Lift or Connector Pocket Grouted (Y/N)	Yes				photo. SP1 G2,3,4,5,6,7 & 8 and SP3 G3,4,5,6 & 7 all have deep (50mm+) surface spalls paritially patched with ACP.
(Number Of Girders : 20)					
Span Alignment Problems					
Vertical (Y/N)	No				
Horizontal (Y/N)	No				
Superstructure General Rating			3	3	
				Subst	tructure
Bridge Component			Last	Now	Explanation of Condition
Abutments			·		
(Extended Backwall Piles (Y/N):	N)				
(Extended Backwall Piles Spacin	g(mm)	:)			
(Total Number of Caps/Corbels : 1	:1)				
Bearing Seats/Caps/Corbels Detail	l Rating	gs			
N (count) 1 (cou	nt)	2 (count)	3 (cou	ınt)	
Last					
Now					
Bearing Seats/Caps/Corbels			7	7	
(Type : <b>CONCRETE</b> )					
(Depth(mm):)					
(Width(mm):)					
Backwalls/Breastwalls			X	X	
Greatest Height (m)				1	
Wingwalls			5	5	Wide cracks at cap to wingwall transitions. Medium cracks on outside face of wingwall NW corner.
(Total Number of Bearing Piles : 7:	:7)				
Piles Detail Ratings	,				1
N (count) 1 (cou	nt)	2 (count)	3 (cou	ınt)	
_	 D	0		0	
<b>Now</b> 14					
Piles				N	
Paint/Coating			Х	Х	
Abutment Stability			7	7	
Scour/Erosion			7	7	

Piers/Bents (Type : PIER (Total Number Bearing Seats/ Last Now	-SOLID) of Caps/Cor			Last	Now	Explanation of Condition
(Type : PIER (Total Number Bearing Seats/ Last	of Caps/Cor Caps/Corbe					
(Total Number Bearing Seats/ Last	of Caps/Cor Caps/Corbe					
Bearing Seats/	Caps/Corbe					
Last		ls Detail Ratir				
Last	N (count)		ngs			
		1 (count)	2 (count)	3 (cou	ınt)	
Now						
						_
Bearing Seats/Caps/Corbels					7	-
	(Type : CONCRETE)					
(Total Number		Piles : <b>0:0</b> )				Medium horizontal cracks on pier 1 and 2.
Piles Detail Ra		T				_
	V (count)	1 (count)	2 (count)	3 (cou	ınt)	
Last						
Now						_
Pier Shaft/Piles				5	5	
Greatest Hei		6.00		X	Х	
Bracing/Struts/	Bracing/Struts/Sheathing					
Nose Plate	Nose Plate					
Paint/Coating	Paint/Coating					50% of paint peeled on nose plate.
	(Colour Description : )					30% of paint peeled off flose plate.
	(Colour Code : )					_
Pier Stability					7	
Tier Glability				7		
Scour				5	5	
Debris (Y/N)		No				
Substructure	General Ra	ting		5	5	
				S	Structu	re Usage
				Last	Now	Explanation of Condition
Channel						
(U/S Direction	: <b>N</b> )					
(D/S Direction	: <b>S</b> )					
Alignment				7	7	
Bank Stability				5	5	
HWM (m below	v Top of Cur	b)				No HWM visible.
Drift (Y/N)		No				Beaver dam 50m D/S.
Slope Protection	on			5	5	Class 2 along piers.
(Type:)						
Guidebank/Spu	urs			X	Х	
Adequacy of O	pening			7	7	
(Fish Compens	sation Measu	ure 1 : NONE	)			
(Fish Compens						1
Channel Gene			,	5	5	

08781 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

					Main	tenance Recomme	nda	ations						
Inspector Recommend	dations		Year	Inspector	r Comments			Department Co	ommer	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE B	RIDGE RAIL													
GALVANIZE/PAINT B	BRIDGE RAIL													
SEAL CURBS														
PATCH DECK														
SEAL DECK														
OVERLAY DECK														
REPAIR/REPLACE D														
RESET/ PAINT BEAR	RESET/ PAINT BEARINGS													
WASHING														
SHOTCRETE REPAIR	RS													
REPAIR ABUTMENT	SCOUR/EROSIC	N												
PLACE ADDITIONAL	. RIP RAP													
REMOVE DRIFT ACC	CUMULATION													
OTHER ACTION			2010	Schedule for major rehab: pave approa upgrade bridgerail & approach rail. Reprated girders, install deck o/l, repair curl seal, repair headslope erosion, seal pie repair joints.			3							
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			44.4/44.4 Sufficiency Rating (L (%)			ating (Last/Now)	5	7.3/57.3	Es	t. Repl. Yr	2023	Maint. Re	qd. (Y/N)	Yes
Special Mo Comments for Next Inspection	onitor girders.							Department Comments						
Maintenance Reviewe	ed By							Date			E	Estimated Total	0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Ste		Stew H	agan			Previou	ıs A	ssistant's Name	Kris Bosters					
Next Inspection Date		24-Sep	-2013			Previou	ıs Ir	nspection Date		07-Oct-2009				
Inspection Cycle (Defa		39												
Comment														