•	Crone,Alex	Structure Number:			
Inspection Date:	10/29/2024	Facility Carried:	SR 28	38	
<u>Ohio Bridge Insp</u>	ection Summary Report		MRW-	00288-005	0 <u>(590282</u>
2: DistrictDistr 81508 - WA ict 06	SHINGTON TWP (MRW county)	5A: Inventory Rou	ute 1	00288	
	1 - State Highway Agency /	7: Facility On	SR 288		
	1 - State Highway Agency /	-	FLAT RUN		
221 Inspection A/B 07	1 - State Highway Agency /	9: Location	0.39 MI E 0	DF SR61	
220: Inv. Location DISTR	RICT 06	Lat, Lon	40.680267	,-82	2.812728
	Condition		Str	ucture Type	
58: Deck	6 - Satisfactory Condition	43: Bridge Ty	pe 4 - Ste	eel continuous	
58.01 Wearing Surface	7 - Good (1% distress)		02 - S	tringer/Multi-bea	m or Girder
58.02 Joint	4- Poor (heavy leaking, offset)		N- No	t Applicable	
59: Superstructure	3 - Serious Condition	45: Spans Ma	ain / Approa	ich 3	/ 0
59.01 Paint & PCS	4 - Poor PCS (15-20% corr.)	107: Deck Ty	ре	1 - Concrete C	ast-in-Place
60: Substructure	6 - Satisfactory Condition	408: Compos	ite Deck	N - Non-compo	site Constructio
61: Channel	8	414A Joint Ty		N - None	
61.01 Scour	7 - Good	414B: Joint T		N - None	
62: Culverts	N - Not Applicable	108A: Wearin	g Surface	6 - Bituminous	
67.01 GA	3			N- Not Applica	ble
	Appraisal	422: WS Date		06/11/2001	
Sufficiency Rating	67.6 SD/FO 1 - SD	423: WS Thic	. ,	2.0	
36: Rail, Tr, Gd, Term Std	1 0 1 1	482: Protectiv	e Coating	1 - Red Lead	
72: Approach Alignment	8 - Equal to present desirable criteria	483: PCS Dat		01/01/1982	
113: Scour Critical	8 - Stable for scour conditions	453: Bearing		3 - Sliding (Bro	nze)
71: Waterway Adequacy	8 - Bridge Above Approaches	455: Bearing		0 - Other	
	Geometric	528: Foundn:		1 - Steel H Pile	
				1 - Steel H Pile	
48: Max Span Length (ft)	55.0	536: Foundn:		4 - Spread Foc	
49: Structure Length (ft)	146.5	539: Foundn:	Pier 2	4 - Spread Foo	ting (on Soil)
52: Deck Width, Out-To-Ou			Age	and Service	
424: Deck Area (sf)	4688	27: Year Built	/ 106 Reha	b 1940 /	1982
32: Appr Roadway Width (f		42A: Service		1 - Highway	
51: Road Width, Curb-Curb		42B: Service		5 - Waterway	
50A: Curb/SW Width: Left (		28A: Lanes of		02	
50A: Curb/SW Width: Righ	t (ft) 0 0	28B: Lanes U		00	
34: Skew (deg) 33: Bridge Median	0 0 - No median	19: Bypass Le		5	
54B: Min Vert Undercleara		29: ADT		2532	
336A: Min Vert Clrnce IR C		109: % Trucks	s (%)	7	
336B: Min V Clr IR Non-Ca					
578: Culvert Length (ft)	0		Insp	Dections	
	Load Posting	90: Routine Ir	nsp.	Months 12  1	0/29/2024
41: Op/Post/Closed	A - Open	92A: FCM Ins	sp. N	0	
70: Posting 5 - Equal to	-	92B: Dive Ins	•	0	
70.01: Date	<b>v</b>	92C: Special	-	0	
70.02: Sign Type		92D: UBIT Ins	-	0	
734: Percent Legal (%)	150	92E: Drone In	isp. N	0	
704: Analysis Date	07/01/1984	Inspector C	crone,Alex		
63: Analysis Method	7 - Allowable Stress (AS) rating report by rating factor (RF) method using MS	ed	-,		

Inspector:	Crone,Alex	Structure Number:	5902827
Inspection Date:	10/29/2024	Facility Carried:	SR 288

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	4688	sq. ft.	4070	549	69	0
	2024 CS2 Span 1 - Transy small delams at Rear corner spa Span 2 - transy span, saturated Span 3 - transy saturated under CS3 Span 1 bay 3 (r Span3 LT corn Fwd & Rear der	nd haunch s alled, satura erse cracks I under GR erse cracks r GR ancho near PS1) - er - spalled	spalls a ated wit s with ef anchors s with ef rs, sma spall w off 2 S	nd saturated h efflorescen florescence s Lt&Rt 314 florescence II spall Fwd / exposed re F	d areas unden nce 85 SF throughout, SF throughout, LT corner, 1 bar w/ section	er GR anchoi 2x2 delam F delam in bay 50 SF on loss 3 SF	rs Lt&Rt. wd of mid /3 and
510-Wearing Surfaces		4688	sq. ft.	4461	227	0	0
2022- chip sealed 2024 CS2 Near c/l - longitudinal cracks 146 SF Fwd & Rear (over jnts) & LT & RT shoulders - trans cracks 81 S					81 SF		
107-Steel Open Girder/Beam	3 - Mod.	879	ft.	703	159	5	12
	<ul> <li>2024</li> <li>*Negative camber in all beams</li> <li>CS2</li> <li>All Spans (near top &amp; bottom flanges) - light rust w/ minor section loss 159' ( 1-64')(Span 2-40')(Span 3-55')</li> <li>CS3</li> <li>Span 1 B5 (at Rear abut) - heavy rust and corrosion with moderate section loss</li> <li>CS4</li> <li>Span 1 B1 &amp; B6 (@ Rear Abut) - pack rusted w/ heavy section loss / bottom flange beginning to distrort &amp; sag 8' (B6-4')(B1-4')</li> <li>Span 3 B1 (@ Fwd Abut) - heavy rust w/ moderate section loss / bottom flange beginning to flange beginning to 50% section loss to bottom flange 4'</li> </ul>					ction loss 5	
515-Steel Protective Coating		7208	sq. ft.	0	3708	3000	500
	2024 CS2- Chalking thin throughout CS3- Peeling, flaking throughout, worse at bottom flanges and low web area. CS4- PC has failed at bottom flanges, web, and beam ends throughout.						
205-Reinforced Concrete Column	3 - Mod.	6	each	6	0	0	0
215-Reinforced Concrete Abutment	3 - Mod.	64	ft.	12	52	0	0
	2024 CS2 Rear- small spa Fwd- small spa 22'						ns & scaling

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
234-Reinforced Concrete Pier Cap	3 - Mod.	64	ft.	60	2	2	0
	2024 CS2 PS2 Rt corner - PS2 Lt top - sm CS3 PS1 LT & RT (c	all spall 1'	) - spal	with expose	ed rebar with	n section loss	s 2'
302-Compression Joint Seal	3 - Mod.	64	ft.	0	0	0	64
	2024 CS4 Fwd & Rear - paved over, closed & no longer functional 64'						
311-Movable Bearing	3 - Mod.	18	each	5	1	6	6
	2024 CS2 PS2 bearing # § CS3 Fwd & Rear abu (6) CS4 Rear Abut bear function ability ( Fwd Abut bear function ability (	uts bearings ings (1,5,6) (3) ngs (1,2,6)	s - pack - heavy	/ rust w/ sec	tion loss & r	ust debris im	pacting
313-Fixed Bearing	3 - Mod.	6	each	6	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	1600	sq. ft.	1579	21	0	0
	2022- chip sealed. 2024 CS2 Fwd & Rear - trans & longitudinal cracks 21 SF (Fwd-15 SF)(Rear-6 SF)						=)
330-Metal Bridge Railing	3 - Mod.	293	ft.	228	0	65	0
	2024 CS3 LT & RT (lower portion of panels) - rusted w/ various thru holes 65'						
815-Drainage	3 - Mod.	2	each	2	0	0	0
830-Abutment Backwall	3 - Mod.	64	ft.	38	26	0	0
	2024 CS2 Fwd & Rear - o Fwd bays 4&5 s unsound concre	saturated, h					as of

Inspec	ctor:	Crone,Alex	Stro	ucture Number:	5902827		
Inspection Date: 1		10/29/2024		ility Carried:	SR 288		
ODOT District:	District 06	Γ	/IRW-00288-0050	_(5902827)		Bato Banti	01/1940
Major Maint:	01 - State Highway Age	ency Facility Carried:	SR 288	Traffic On: 1 - Highway		Rehab Date: 01/0	01/1982
Routine Maint:	01 - State Highway Age	ency Feature Inters:	FLAT RUN	Traffic Under: 5 - Waterway	/	Insp. 01 - State Resp A:	e Highway Agency
FIPS Code:	81508 - WASHINGTON	N TWP (MRW county)	Location: DISTRICT 06	0.39 MI E OF SR61		Insp Resp B:	
	Inspecto	or Crone,Alex	Inspection Date 10/29/2024	Reviewer Ba		кезр Б.	

### Inspector Comments - Deck and Approach

#### Deck

### Floor/Slab (SF)

TRANSVERSE CRACKS THRU-OUT ALL SPANS W/HEAVY EFFLO R. 1FT TO 3FT SPACING.

#### Approach

### Approach Wearing Surface (EA)

### **Inspector Comments - General Appraisal**

#### Superstructure

### **Beams/Girders (LF)**

# RUSTING AT TOP AND BOTTOM FLANGES DUE TO SEEPING DECK, WARPED AND BUCKLED AT BEAM ENDS OVER BEARINGS, ENDS ARE THIN W/ SEC. LOSS

**Diaphragm/X-Frames (EA)** 

RUSTING THRU-OUT.

### **Bearing Devices (EA)**

RUSTING W/10% SEC.LOSS THRU-OUT, DETER.LEFT FWD FACIA BEAM FLOATING.

### **Protective Coating System (LF)**

PEELING AT FLANGES AND CROSSFRAMES, HEAVY CORROSION, CHALKY.

### Substructure

### Abutment Walls (LF)

SPALLED UNDER ALL BEARINGS FWD.AND REAR. HORZ CRACKS W/DELAM. FWD AND REAR.

### Wingwalls (EA)

TOPS SPALLED AND DETER.ALL CORNERS

#### <u>Culvert</u>

Inspector: Crone,Alex Inspection Date:

10/29/2024

Structure Number: 5902827 SR 288 Facility Carried:

# Inspector Comments - Waterway

### Waterway Adequacy

<u>Channel</u>

Scour Critical

# Pictures



#### PHOTO 1

Description Re

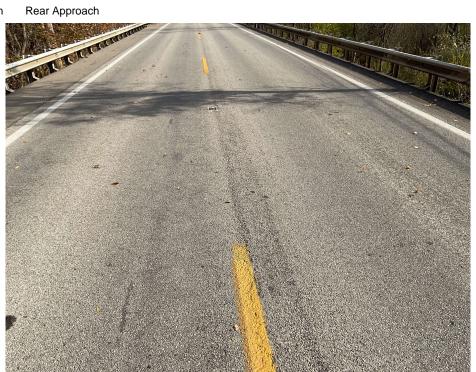


PHOTO 2

Description

Wearing Surface

10/29/2024

Bridge Inspection Report

# Pictures

Inspection Date:



PHOTO 4

Description RT railing (typical rust w/ thru holes)

Inspector: Alex Crone

Inspection Date: 10/29/2024

Bridge Inspection Report

# **Pictures**



#### PHOTO 5

Description Wearing Surface (Rear RT)



PHOTO 6 Description

B6 @ Rear Abut

**Bridge Inspection Report** 

# **Pictures**



PHOTO 7

Description Rear Abut bearing 6



PHOTO 8

Description Rear Abut bay 4

# **Pictures**



#### PHOTO 9

Description Span 1 B5 @ Rear Abut



PHOTO 10

Description Span 1 B1 @ Rear Abut

# **Pictures**



PHOTO 11

Rear Abut Description



PHOTO 12 Description

PS1

Bridge Inspection Report

### **Pictures**



#### PHOTO 13

Description



PHOTO 14 Description

Span 1

### **Bridge Inspection Report**

# Pictures



PHOTO 15

Description Span 2



PHOTO 16 Description PS2

# Pictures



PHOTO 17

Description

LT



PHOTO 18 Description RT Inspector: Alex Crone

Inspection Date: 10/29/2024

**Bridge Inspection Report** 

### **Pictures**



PHOTO 19

Description PS2 cap RT



PHOTO 20

Description \$

Span 1 bay 3 (near PS1)

### Bridge Inspection Report

# Pictures



### PHOTO 21

Description Fwd Abut



PHOTO 22 Description Span 3

# Pictures



### PHOTO 23

Description Span 3 B1 @ Fwd Abut



PHOTO 24 Description Ty

Typical rust t/o

# **Pictures**



#### PHOTO 25

Description Fwd Abut RT



PHOTO 26 Description Sp

Span 3 B3

# **Pictures**



#### PHOTO 27

Description Span 3 B1 @ Fwd Abut



PHOTO 28 Description

Fwd Joint