# **Ohio Bridge Inspection Summary Report**

loading.

# MRW-00288-0050 (5902827)

Onio Briage mape	ection outlinary report	IALLYAA-	<u> </u>				
2: DistrictDistr 81508 - WASHINGTON TWP (MRW county) ict 06		5A: Inventory Route 1	00288				
	- State Highway Agency /	7: Facility On SR 288					
225 Routine Main A/B 01	- State Highway Agency /	6: Feature Ints FLAT RUN	I				
221 Inspection A/B 01	- State Highway Agency /	9: Location 0.39 MI E					
220: Inv. Location DISTR	CT 06	Lat, Lon 40.680267					
	Condition	Str	ucture Type				
58: Deck	6 - Satisfactory Condition	43: Bridge Type 4 - St	eel continuous				
58.01 Wearing Surface	7 - Good (1% distress)	02 - S	Stringer/Multi-beam or Girder				
58.02 Joint	4- Poor (heavy leaking, offset)	N- No	ot Applicable				
59: Superstructure	3 - Serious Condition	45: Spans Main / Approa					
59.01 Paint & PCS	4 - Poor PCS (15-20% corr.)	107: Deck Type 1 - Concrete Cast-in-Place					
60: Substructure	6 - Satisfactory Condition	408: Composite Deck	N - Non-composite Construction				
61: Channel	8	414A Joint Type 1	N - None				
61.01 Scour	7 - Good	414B: Joint Type 2	N - None				
62: Culverts	N - Not Applicable	108A: Wearing Surface	6 - Bituminous				
67.01 GA	3	, a 5 a a a a a a a a a a a a a a a a a	N- Not Applicable				
	Appraisal	422: WS Date	06/11/2001				
Cufficionay Patina	67.6 SD/FO 1 - SD	423: WS Thick (in)	2.0				
Sufficiency Rating		482: Protective Coating	1 - Red Lead				
36: Rail, Tr, Gd, Term Std	1 0 1 1	483: PCS Date	01/01/1982				
72: Approach Alignment	8 - Equal to present desirable criteria	453: Bearing Type 1	3 - Sliding (Bronze)				
	113: Scour Critical 8 - Stable for scour conditions		455: Bearing Type 2 0 - Other				
71: Waterway Adequacy 8 - Bridge Above Approaches		528: Foundn: Abut Fwd 1 - Steel H Piles (Other size)					
	Geometric	533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)				
48: Max Span Length (ft)	55.0	536: Foundn: Pier 1	4 - Spread Footing (on soil)				
49: Structure Length (ft)	146.5	539: Foundn: Pier 2	4 - Spread Footing (on Soil)				
52: Deck Width, Out-To-Out	t (ft) 32.0	Δ αια	and Comics				
424: Deck Area (sf)	4688		e and Service				
32: Appr Roadway Width (ft	) 32.0	27: Year Built/ 106 Reha	ab 1940 / 1982				
51: Road Width, Curb-Curb	(ft) 32.0	42A: Service On	1 - Highway				
50A: Curb/SW Width: Left (f	t) 0	42B: Service Under	5 - Waterway				
50A: Curb/SW Width: Right	(ft) 0	28A: Lanes on	02				
34: Skew (deg)	0	28B: Lanes Under	00				
33: Bridge Median	0 - No median	19: Bypass Length	5				
54B: Min Vert Underclearan	ce (ft) 0	29: ADT	2532				
336A: Min Vert Clrnce IR Ca		109: % Trucks (%)	7				
336B: Min V Clr IR Non-Car		lno	noctions				
578: Culvert Length (ft)	0	L INS	pections				
	Load Posting	90: Routine Insp.	Months 12 10/29/2024				
41: Op/Post/Closed A - Open		92A: FCM Insp. N	0				
70: Posting 5 - Equal to or above legal loads		92B: Dive Insp. N	0				
70.11 Osting 3 - Equal to (	a2010 logal loado	92C: Special Insp. N	0				
70.01: Date 70.02: Sign Type		92D: UBIT Insp. N	0				
734: Percent Legal (%)	150	92E: Drone Insp. N	0				
704: Analysis Date	07/01/1984	Inspector Crone, Alex					
63: Analysis Method	7 - Allowable Stress (AS) rating reported						
oo. Analysis Method	by rating factor (RF) method using MS18 loading.						

	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 - Transverse cracks with efflorescence throughout as well as several small delams and haunch spalls and saturated areas under GR anchors Lt&R: Rear corner spalled, saturated with efflorescence 85 SF Span 2 - transverse cracks with efflorescence throughout, 2x2 delam Fwd of n span, saturated under GR anchors Lt&Rt 314 SF Span 3 - transverse cracks with efflorescence throughout, delam in bay3 and saturated under GR anchors, small spall Fwd LT corner, 150 SF CS3 Span 1 bay 3 (near PS1) - spall w/ exposed rebar w/ section loss 3 SF Span3 LT corner - spalled off 2 SF Fwd & Rear deck end -areas heavily saturated w/ efflor 64 SF							
510-Wearing Surfaces		4688	sq. ft.	4461	227	0	0	
	SF shoulders -	trans cracks	81 SF					
107-Steel Open Girder/Beam	3 - Mod.	879	ft.	703	159	5	12	
	*Negative camber in all beams CS2 All Spans (near top & bottom flanges) - light rust w/ minor section loss 19 1-64')(Span 2-40')(Span 3-55') CS3 Span 1 B5 (at Rear abut) - heavy rust and corrosion with moderate sect CS4 Span 1 B1 & B6 (@ Rear Abut) - pack rusted w/ heavy section loss / bot flange beginning to distrort & sag 8' (B6-4')(B1-4') Span 3 B1 (@ Fwd Abut) - heavy rust w/ moderate section loss / bottom distorted & sagging, approx 50% section loss to bottom flange 4'						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	

	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 - delam 1' PS2 Lt top - small spall 1' CS3 PS1 LT & RT (outside face) - spall with exposed rebar with section loss 2'						
302-Compression Joint Seal	3 - Mod.	64	ft.	0	0	0	64
	2024 CS4 Fwd & Rear - pa	functional 64	.'				
311-Movable Bearing	3 - Mod.	18	each	5	1	6	6
	CS2 PS2 bearing # 5 CS3 Fwd & Rear abi (6) CS4 Rear Abut bear function ability ( Fwd Abut bearifunction ability)	uts bearing: 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 seal 2024 CS2 Fwd & Rear - tr		tudinal	cracks 21 Sl	= (Fwd-15 S	F)(Rear-6 Sl	F)
330-Metal Bridge Railing	3 - Mod.	293	ft.	228	0	65	0
	2024 CS3 LT & RT (lower	portion of p	oanels)	- rusted w/ v	arious thru h	noles 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

ODOT District: District 06 MRW-00288-0050 \_(5902827)

Major Maint: 01 - State Highway Agency Facility Carried: SR 288 Traffic On: 1 - Highway Rehab Date: 01/01/1982

Routine Maint: 01 - State Highway Agency Feature Inters: FLAT RUN Traffic Under: 5 - Waterway Insp. 01 - State Highway Agency Resp A:

07/01/1940

Date Built:

FIPS Code: 81508 - WASHINGTON TWP (MRW county) Location: DISTRICT 06 0.39 MI E OF SR61 Inspector Inspector Crone,Alex Inspection Date 10/29/2024 Reviewer Backs,Jared

#### **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**

#### <u>Superstructure</u>

#### 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

#### Culvert

# **Inspector Comments - Waterway**

Waterway Adequacy

**Channel** 

**Scour Critical** 

## **Bridge Inspection Report**

# **Pictures**



PHOTO 1

Description Rear Approach



РНОТО 2

Description Wearing Surface

#### **Bridge Inspection Report**

# **Pictures**



РНОТО 3

Description Fwd Approach



РНОТО 4

Description RT railing (typical rust w/ thru holes)

## **Bridge Inspection Report**

# **Pictures**



PHOTO 5

Description Wearing Surface (Rear RT)



PHOTO 6

Description B6 @ Rear Abut

## **Bridge Inspection Report**

# **Pictures**



РНОТО 7





РНОТО 8

Description Rear Abut bay 4

## **Bridge Inspection Report**

# **Pictures**



РНОТО 9

Description Span 1 B5 @ Rear Abut



PHOTO 10

Description Span 1 B1 @ Rear Abut

## **Bridge Inspection Report**

# **Pictures**



PHOTO 11

Description Rear Abut



PHOTO 12

Description PS1

## **Bridge Inspection Report**

# **Pictures**



PHOTO 13

Description PS1 cap LT end



PHOTO 14

Description Span 1

## **Bridge Inspection Report**

# **Pictures**



PHOTO 15

Description Span 2



РНОТО 16

Description PS2

## **Bridge Inspection Report**

# **Pictures**



PHOTO 17

Description LT



PHOTO 18

Description RT

## **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

## **Bridge Inspection Report**

# **Pictures**



PHOTO 23

Description Span 3 B1 @ Fwd Abut



PHOTO 24

Description Typical rust t/o

## **Bridge Inspection Report**

# **Pictures**



PHOTO 25

Description Fwd Abut RT



РНОТО 26

Description Span 3 B3

## **Bridge Inspection Report**

## **Pictures**



PHOTO 27

Description Span 3 B1 @ Fwd Abut



РНОТО 28

Description Fwd Joint