



Inspector: Crone,Alex  
 Inspection Date: 10/29/2024

Structure Number: 5902827  
 Facility Carried: SR 288

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12-Reinforced Concrete Deck</b>	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&Rt. Rear corner spalled, saturated with efflorescence 85 SF Span 2 - transverse cracks with efflorescence throughout, 2x2 delam Fwd of mid 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							
<b>510-Wearing Surfaces</b>		4688	sq. ft.	4461	227	0	0
2022- chip sealed 2024 CS2 Near c/I - longitudinal cracks 146 SF Fwd & Rear (over jnts) & LT & RT shoulders - trans cracks 81 SF							
<b>107-Steel Open Girder/Beam</b>	3 - Mod.	879	ft.	703	159	5	12
2024 *Negative camber in all beams CS2 All Spans (near top & bottom flanges) - light rust w/ minor section loss 159' (Span 1-64')(Span 2-40')(Span 3-55') CS3 Span 1 B5 (at Rear abut) - heavy rust and corrosion with moderate section loss 5' CS4 Span 1 B1 & B6 (@ Rear Abut) - pack rusted w/ heavy section loss / bottom flange beginning to distort & sag 8' (B6-4')(B1-4') Span 3 B1 (@ Fwd Abut) - heavy rust w/ moderate section loss / bottom flange distorted & sagging, approx 50% section loss to bottom flange 4'							
<b>515-Steel Protective Coating</b>		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.							
<b>205-Reinforced Concrete Column</b>	3 - Mod.	6	each	6	0	0	0
<b>215-Reinforced Concrete Abutment</b>	3 - Mod.	64	ft.	12	52	0	0
2024 CS2 Rear- small spalls under B1-6, open horizontal cracks & scaling t/o 30' Fwd- small spalls under B1-6, horizontal cracks with some minor delams & scaling 22'							



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<b>234-Reinforced Concrete Pier Cap</b>	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'							
<b>302-Compression Joint Seal</b>	3 - Mod.	64	ft.	0	0	0	64
2024 CS4 Fwd & Rear - paved over, closed & no longer functional 64'							
<b>311-Movable Bearing</b>	3 - Mod.	18	each	5	1	6	6
2024 CS2 PS2 bearing # 5 - rust initiated (1) CS3 Fwd & Rear abuts bearings - pack rusted, all bearing seats Fwd&Rear are spalled (6) CS4 Rear Abut bearings (1,5,6) - heavy rust w/ section loss & rust debris impacting function ability (3) Fwd Abut bearings (1,2,6) - heavy rust w/ section loss & rust debris impacting function ability (3)							
<b>313-Fixed Bearing</b>	3 - Mod.	6	each	6	0	0	0
<b>321-Reinforced Concrete Approach Slab</b>	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)							
<b>330-Metal Bridge Railing</b>	3 - Mod.	293	ft.	228	0	65	0
2024 CS3 LT & RT (lower portion of panels) - rusted w/ various thru holes 65'							
<b>815-Drainage</b>	3 - Mod.	2	each	2	0	0	0
<b>830-Abutment Backwall</b>	3 - Mod.	64	ft.	38	26	0	0
2024 CS2 Fwd & Rear - open trans cracks in asphalt over backwall 16' Fwd bays 4&5 saturated, horizontal cracks with efflorescence and areas of unsound concrete 10'							

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**MRW-00288-0050 \_(5902827)**

ODOT District: District 06

Major Maint: 01 - State Highway Agency

Routine Maint: 01 - State Highway Agency

FIPS Code: 81508 - WASHINGTON TWP (MRW county)

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Feature Inters: FLAT RUN

Inspector Crone,Alex

Location: DISTRICT 06

Inspection Date 10/29/2024

Traffic On: 1 - Highway

Traffic Under: 5 - Waterway

0.39 MI E OF SR61

Reviewer Backs,Jared

Date Built: 07/01/1940

Rehab Date: 01/01/1982

Insp. 01 - State Highway Agency

Resp A:

Insp

Resp B:

**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

**Culvert**

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**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel**

**Scour Critical**

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### Bridge Inspection Report

### Pictures



PHOTO 1

Description Rear Approach



PHOTO 2

Description Wearing Surface



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### Bridge Inspection Report

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PHOTO 3

Description Fwd Approach



PHOTO 4

Description RT railing (typical rust w/ thru holes)



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PHOTO 5

Description Wearing Surface (Rear RT)



PHOTO 6

Description B6 @ Rear Abut



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PHOTO 7

Description Rear Abut bearing 6



PHOTO 8

Description Rear Abut bay 4



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PHOTO 9

Description Span 1 B5 @ Rear Abut



PHOTO 10

Description Span 1 B1 @ Rear Abut



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PHOTO 11

Description Rear Abut



PHOTO 12

Description PS1



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PHOTO 13

Description PS1 cap LT end



PHOTO 14

Description Span 1



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PHOTO 15

Description Span 2



PHOTO 16

Description PS2



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PHOTO 17

Description LT



PHOTO 18

Description RT

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PHOTO 19  
Description PS2 cap RT



PHOTO 20  
Description Span 1 bay 3 (near PS1)



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PHOTO 21

Description Fwd Abut



PHOTO 22

Description Span 3



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PHOTO 23

Description Span 3 B1 @ Fwd Abut



PHOTO 24

Description Typical rust t/o



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PHOTO 25

Description Fwd Abut RT



PHOTO 26

Description Span 3 B3



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PHOTO 27

Description Span 3 B1 @ Fwd Abut



PHOTO 28

Description Fwd Joint