

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
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&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							
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 SF							
107-Steel Open Girder/Beam	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'							
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 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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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 - paved over, closed & no longer functional 64'							
311-Movable Bearing	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)							
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 - 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. Resp A: 01 - State Highway Agency

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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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