

Inspector: Osting,Matthew
 Inspection Date: 03/17/2023

Structure Number: 5101174
 Facility Carried: CR 26

Ohio Bridge Inspection Summary Report

MAR-00023-1692 (5101174)

2: District 31192 - GRAND PRAIRIE TWP (MAR county)
 District 06

5A: Inventory Route 1 C0026

21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 01 - State Highway Agency /
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location DISTRICT 06

7: Facility On CR 26
 6: Feature Ints OVER USR 23-1692
 9: Location 0.79 MI N OF SR4
 Lat, Lon 40.673769 ,-83.118361

Condition		Structure Type	
58: Deck	7 - Good Condition	43: Bridge Type	4 - Steel continuous
58.01 Wearing Surface	7 - Good (1% distress)		02 - Stringer/Multi-beam or Girder
58.02 Joint	7- Good (no leaking)		N- Not Applicable
59: Superstructure	8 - Very Good Condition	45: Spans Main / Approach	4 / 0
59.01 Paint & PCS	7 - Good (1-5% corr.)	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	8 - Very Good Condition	408: Composite Deck	N - Non-composite Construction
61: Channel	N	414A Joint Type 1	8 - Elastomeric Strip Seal
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	2 - Integral Concrete (separate non-modified layer of concrete added to structural deck)

67.01 GA 8

Appraisal	
Sufficiency Rating	85.0 SD/FO 2 - FO
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	N - Not over waterway
71: Waterway Adequacy	N - Not Applicable

422: WS Date	09/19/1995
423: WS Thick (in)	1.2
482: Protective Coating	5 - Paint System OZEU
483: PCS Date	01/01/1981
453: Bearing Type 1	2 - Rockers & Bolsters
455: Bearing Type 2	B - Fixed
528: Foundn: Abut Fwd	1 - Steel H Piles (Other size)
533: Foundn: Abut Rear	1 - Steel H Piles (Other Size)
536: Foundn: Pier 1	1 - Steel H Piles (Other size)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Geometric	
48: Max Span Length (ft)	81.0
49: Structure Length (ft)	281.3
52: Deck Width, Out-To-Out (ft)	30.0
424: Deck Area (sf)	8439
32: Appr Roadway Width (ft)	24.0
51: Road Width, Curb-Curb (ft)	24.0
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	39
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	14.42
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	0

Age and Service	
27: Year Built/ 106 Rehab	1967 / 0000
42A: Service On	1 - Highway
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	02
28B: Lanes Under	04
19: Bypass Length	6
29: ADT	210
109: % Trucks (%)	8

Load Posting	
41: Op/Post/Closed	A - Open
70: Posting	5 - Equal to or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	150
704: Analysis Date	07/01/1991

Inspections		
	Months	
90: Routine Insp.	24	03/17/2023
92A: FCM Insp.	N	0
92B: Dive Insp.	N	0
92C: Special Insp.	N	0
92D: UBIT Insp.	N	0
92E: Drone Insp.	N	0
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63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	8440	sq. ft.	8253	162	25	0
	2021 CS2 Spalls, trans. Cracks Spans 1,2 and 3 168sf CS3 Spalls w/exposed rebar spans 2 & 3 20 sf 2023 same + CS2 fwd & rear rt. corners shear cracked & spalled . 8sf , small area of saturation @ deck end rear bay 3 / 4sf						
510-Wearing Surfaces		6752	sq. ft.	6744	8	0	0
	2021 CS2 Small area breaking up rt.fwd @ joint 8 sf 2023 same						
107-Steel Open Girder/Beam	3 - Mod.	1126	ft.	1126	0	0	0
515-Steel Protective Coating		9899	sq. ft.	9899	0	0	0
205-Reinforced Concrete Column	3 - Mod.	6	each	6	0	0	0
215-Reinforced Concrete Abutment	3 - Mod.	78	ft.	78	0	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	116	ft.	96	20	0	0
	2021 CS2 Scaling,small shallow spalls w/exposed rebar all pier caps 20' 2023 same						
300-Strip Seal Expansion Joint	3 - Mod.	60	ft.	50	10	0	0
	2023 CS2 partly filled w/chip seal fwd & rear 10'						
311-Movable Bearing	3 - Mod.	20	each	20	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	960	sq. ft.	910	50	0	0
	2021 CS2 Chip sealed over w/some open cracks 50 sf 2023 same + CS2 asphalt breaking up @ header fwd & rear .						
331-Reinforced Concrete Bridge Railing	3 - Mod.	563	ft.	563	0	0	0
815-Drainage	3 - Mod.	12	each	12	0	0	0
830-Abutment Backwall	3 - Mod.	78	ft.	78	0	0	0

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ODOT District: District 06

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Date Built: 07/01/1967

Major Maint: 01 - State Highway Agency

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: OVER USR 23-1692

Traffic Under: 1 - Highway, with or w/out pedestrian

Insp. 01 - State Highway Agency

FIPS Code: 31192 - GRAND PRAIRIE TWP (MAR county)

Location: DISTRICT 06

0.79 MI N OF SR4

Resp A:

Insp

Resp B:

Inspector

Osting,Matthew

Inspection Date

03/17/2023

Reviewer Peddicord,Tim

Inspector Comments - Deck and Approach

Deck

Floor/Slab (SF)

TRANSV.CRACKS,SEEPING W/EFFLOR,DELAM.AND SPALLED AREAS W/EXPOSED REBAR OVER 23 SB. AND NB.(18SF TOTAL)

Bridge Wearing Surface (SF)

2019 MAP CRACKING THRU OUT.

Approach

Approach Wearing Surface (EA)

LG. OPEN CRACKS THRU-OUT, FWD AND REAR.

Approach Slab (SF)

BREAKING UP AT BACKWALL LT.AND RT 2019 SLABS HAVE BEEN CHIP SEALED, OPEN CRACKS AND DETERATING FWD AND REAR.

Approach Embankment (EA)

WASHED OUT UNDER APPROACH RAIL RT REAR UNDERMINED SLAB.

Inspector Comments - General Appraisal

Superstructure

Beams/Girders (LF)

RUSTED AT BOTTOM FLANGES/BEAM ENDS ALL BEAMS.,SECTION LOSS AT BEAM ENDS. 2019 BEAM ENDS HAVE BEEN SAND BLASTED ALL BEAMS HAVE BEEN REPAINTED.

Diaphragm/X-Frames (EA)

RUSTED 1 BROKEN AND BENT OVER NB IN BAY 1 SPAN 3.

Bearing Devices (EA)

ALL W/RUST., ,SECTION LOSS AT ABUT.TILTED LT.REAR. 2019 ALL BEARING CLEANED UP PAINTED AND FIXED.

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Protective Coating System (LF)

CORR. SECTION LOSS 2019 REPAINTED.

Fatigue (LF)

WELDED MOMENT PLATES.

Substructure

Pier Caps (LF)

PIER CAPS, MINOR SPALLS. REBAR EXPOSED MIDDLE PIER AT TOP OF COLUMN AND LT. PIER AT FWD. END. 2019 ALL 3 PIER CAPS HAVE MINOR SPALLS WITH EXPOSED REBAR. LOOKS LIKE THE REBAR DIDN'T HAVE ENOUGH COVER WHEN BUILT.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures