

Inspector: Gerstenslager,Michael
 Inspection Date: 07/19/2023

Structure Number: 2802406
 Facility Carried: SR 700

Ohio Bridge Inspection Summary Report

GEA-00700-0387 (2802406)

2: District 77574 - TROY TWP (GEA county)
 District 12

5A: Inventory Route 1 00700

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 12

7: Facility On SR 700
 6: Feature Ints CUY RIV BR 1.16 MI N 422
 9: Location 1.16 MI N USR422
 Lat, Lon 41.403408 , -81.144956

Condition	Structure Type
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58: Deck **5 - Fair Condition**
 58.01 Wearing Surface 6 - Satisfactory (1-10% distress)
 58.02 Joint N- Not Applicable
59: Superstructure **5 - Fair Condition**
 59.01 Paint & PCS 6 - Satisfactory (5-10% corr.)
60: Substructure **6 - Satisfactory Condition**
61: Channel **6**
 61.01 Scour **6 - Satisfactory**
62: Culverts **N - Not Applicable**
67.01 GA **5**

43: Bridge Type 1 - Concrete
 01 - Slab
 N- Not Applicable
 45: Spans Main / Approach 1 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck X - Not Applicable
 414A Joint Type 1 N - None
 414B: Joint Type 2 N - None
 108A: Wearing Surface 6 - Bituminous
 N- Not Applicable

Appraisal	Inspection
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Sufficiency Rating 68.3 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 5 - Scour within limits of footing or piles
 71: Waterway Adequacy 8 - Bridge Above Approaches

422: WS Date 01/01/2011
 423: WS Thick (in) 2.0
 482: Protective Coating B - Epoxy - Urethane sealers
 483: PCS Date 01/01/1993
 453: Bearing Type 1 0 - Other
 455: Bearing Type 2 N - None
 528: Foundn: Abut Fwd 4 - Spread Footing (on soil)
 533: Foundn: Abut Rear 4 - Spread Footing (on Soil)
 536: Foundn: Pier 1 N - None (Such as most Culverts)
 539: Foundn: Pier 2 N - None (Such as most Culverts)

Geometric	Age and Service
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48: Max Span Length (ft) 30.0
 49: Structure Length (ft) 30.0
 52: Deck Width, Out-To-Out (ft) 32.0
 424: Deck Area (sf) 960
 32: Appr Roadway Width (ft) 20.0
 51: Road Width, Curb-Curb (ft) 20.0
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 0
 33: Bridge Median 0 - No median
 54B: Min Vert Underclearance (ft) 0
 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	Inspections
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27: Year Built/ 106 Rehab 1954 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 02
 28B: Lanes Under 00
 19: Bypass Length 2
 29: ADT 3314
 109: % Trucks (%) 9

Load Posting	Inspections
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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 07/01/1973
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections	Inspection
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90: Routine Insp. *Months* 12 07/19/2023
 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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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38-Reinforced Concrete Slab	3 - Mod.	975	sq. ft.	705	75	190	5
<p>CS2- A few cracks with stalactites. Minor mottled areas with efflorescence at middle seam.</p> <p>CS3- Deck edges have logitudinal cracks 3"-4" up from deck bottom. Large delams that extend as much as 2' in from deck edge. Large spalls with exposed rebar, some 360°.</p> <p>CS4- Spalled area to west side at mid span has several 360° rebar exposed.</p>							
510-Wearing Surfaces		975	sq. ft.	850	78	47	0
<p>Note: Asphalt wearing surface. CS2- Cracks, CS 3- Full width at slab limits as wide as 1/4".</p>							
521-Concrete Protective Coating		90	sq. ft.	20	30	40	0
<p>CS2- Fading CS3- Spalled areas.</p>							
215-Reinforced Concrete Abutment	3 - Mod.	72	ft.	36	30	6	0
<p>CS2- Leaching cracks, mostly horizontal. CS3- Spall with rebar exposed at forward left. Other small spalls and delams. 3" x 2.5" deep void at rear-right corner near deck.</p>							
321-Reinforced Concrete Approach Slab	3 - Mod.	600	sq. ft.	600	0	0	0
<p>Paved over</p>							
330-Metal Bridge Railing	3 - Mod.	60	ft.	45	5	10	0
<p>All anchor bolt nuts from deck to I-beam posts are tightened to the mid-point of nut. CS2- Minor collision damage to right rail. CS3- Cracking/spalling to deck edge exposes some anchorage to all 10 guard rail posts. Rusting to nuts and bolts.</p>							
815-Drainage	3 - Mod.	2	each	0	2	0	0
<p>CS2- Drip strips are not effective, letting water drip to slab edges.</p>							

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ODOT District: District 12

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Date Built: 07/01/1954

Major Maint: 01 - State Highway Agency

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: CUY RIV BR 1.16 MI N 422

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 77574 - TROY TWP (GEA county)

Location: DISTRICT 12

1.16 MI N USR422

Resp A:

Inspector

Gerstenslager,Michael

Inspection Date 07/19/2023

Reviewer Seif,Youssef

Resp B:

Inspector Comments - Deck and Approach

Deck

Approach

Approach Embankment (EA)

Erosion hole behind rear-right wingwall.

Inspector Comments - General Appraisal

Superstructure

Substructure

Wingwalls (EA)

Minor spalls.

Substructure Scour (EA)

10' diameter x 3' deep scour hole at rear-right corner with no footing exposure. Water flows from east to west. Water flows into old south east wingwall.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel Protection (LF)

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One sandstone block is tipped into river causing a 3' x 2' x 3.5' void at rear-right (SE) corner (overgrown with vegetation.) other blocks have shifted.

Scour Critical

Dive inspection completed 6/10/2019.

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Pictures