

Ohio Bridge Inspection Summary Report

LAK-00090-0877 (4304020)

2: District 49056 - MENTOR (LAK county)
 12

5A: Inventory Route 1 M0613

21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 04 - City or Municipal Highway /
 Agency
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location DISTRICT 12

7: Facility On GARFIELD RD
 6: Feature Ints I-90
 9: Location 3 MI E SR306
 Lat, Lon 41.644414 , -81.353478

Condition	Structure Type
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58: Deck **5 - Fair Condition**
 58.01 Wearing Surface 7 - Good (1% distress)
 58.02 Joint 7- Good (no leaking)
59: Superstructure **7 - Good Condition**
 59.01 Paint & PCS 6 - Satisfactory (5-10% corr.)
60: Substructure **7 - Good Condition**
61: Channel **N**
61.01 Scour **N - Not Applicable**
62: Culverts **N - Not Applicable**

43: Bridge Type 4 - Steel continuous
 02 - Stringer/Multi-beam or Girder
 N- Not Applicable
 45: Spans Main / Approach 6 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck N - Non-composite Construction
 414A Joint Type 1 8 - Elastomeric Strip Seal
 414B: Joint Type 2 N - None
 108A: Wearing Surface 2 - Integral Concrete (separate non-modified layer of concrete added to structural deck)
 2- MicroSilica

67.01 GA 7

Appraisal	422: WS Date
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Sufficiency Rating 71.9 SD/FO 0 - ND
 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

02/08/2018
 423: WS Thick (in) 2.0
 482: Protective Coating 5 - Paint System OZEU
 483: PCS Date 10/21/2001
 453: Bearing Type 1 2 - Rockers & Bolsters
 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 3 - Drilled Shafts
 539: Foundn: Pier 2 0 - Other

Geometric	Age and Service
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48: Max Span Length (ft) 73.0
 49: Structure Length (ft) 397.0
 52: Deck Width, Out-To-Out (ft) 30.3
 424: Deck Area (sf) 12029.1
 32: Appr Roadway Width (ft) 24.0
 51: Road Width, Curb-Curb (ft) 24.0
 50A: Curb/SW Width: Left (ft) 2.1
 50A: Curb/SW Width: Right (ft) 2.1
 34: Skew (deg) 13
 33: Bridge Median 0 - No median
 54B: Min Vert Underclearance (ft) 16.9
 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 1962 / 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 2
 29: ADT 1295
 109: % Trucks (%) 5

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 (%) 105
 704: Analysis Date 09/10/2019
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections	Inspector
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90: Routine Insp. 12 Months 06/09/2022
 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
 Inspector Persanyi, Andrea

Inspector: Andrea Persanyi
 Inspection Date: 06/09/2022

Structure Number: 4304020
 Facility Carried: GARFIELD RD

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	12042	sq. ft.	5252	6000	790	0
	CS 2 - Cracks, honeycombed areas, full-depth patches CS 3 - Spalls with exposed rebar, leaching cracks with stalactites, delaminations, rust stains.						
510 - Wearing Surfaces		9528	sq. ft.	9428	100	0	0
	CS 2 - A few cracks						
107 - Steel Open Girder/Beam	3 - Mod.	1572	ft.	1406	150	16	0
	CS 2 - surface rust CS 3 - section loss at beam ends and along fascia beams						
515 - Steel Protective Coating		14228	sq. ft.	0	14000	200	28
	CS 2 - Surface dulling throughout CS 3 - Peeling paint mainly on flanges throughout CS 4 - Rusting areas						
205 - Reinforced Concrete Column	3 - Mod.	15	each	15	0	0	0
215 - Reinforced Concrete Abutment	3 - Mod.	63	ft.	52	5	6	0
	CS 2 - Leaching cracks CS 3 - A few rust stained cracks and shallow spalls						
234 - Reinforced Concrete Pier Cap	3 - Mod.	156	ft.	106	50	0	0
	CS 2 - Minor rust stains to bottoms of caps						
300 - Strip Seal Expansion Joint	3 - Mod.	59	ft.	0	59	0	0
	CS 2 - debris in joints						
311 - Movable Bearing	3 - Mod.	24	each	16	8	0	0
	CS 2 - some section loss to abutment bearings						
313 - Fixed Bearing	3 - Mod.	4	each	4	0	0	0
321 - Reinforced Concrete Approach Slab	3 - Mod.	1450	sq. ft.	1440	10	0	0
	CS 2 - A few cracks						
331 - Reinforced Concrete Bridge Railing	3 - Mod.	794	ft.	744	50	0	0
	A few aluminum post anchor nuts missing, loose or cracked. Some rusting to fence and hardware. CS 2 - Some vertical cracks						
815 - Drainage	3 - Mod.	12	each	12	0	0	0

Inspector: Andrea Persanyi
Inspection Date: 06/09/2022

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Element Inspection

830 - Abutment Backwall	3 - Mod.	63	ft.	48	15	0	0
CS 2 - A few cracks							

ODOT District: District 12

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Date Built: 07/01/1962

Major Maint: 01 - State Highway Agency

Facility Carried: GARFIELD RD

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: I-90

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

Insp. 01 - State Highway Agency

FIPS Code: 49056 - MENTOR (LAK county)

Location: DISTRICT 12

3 MI E SR306

Resp A:

Insp

Resp B:

Inspector

Persanyi, Andrea

Inspection Date 06/09/2022

Reviewer Seif, Youssef

Inspector Comments - Deck and Approach

Deck

Floor/Slab (SF)

Timber sub-decked over traffic.

Curbs/Sidewalk (LF)

Concrete patches. Cracks.

Deck Drainage (EA)

Rusting thru holes to downspouts.

Approach

Approach Pavement

Cracks.

Approach Guardrail

Post rot. Minor dings and dents

Signs

No bridge end markers.

Inspector Comments - General Appraisal

Superstructure

Protective Coating System (SF)

End-frames repainted.

Fatigue

Welded moment plates at piers.

Utilities

Conduits are disconnected in spots & have thru holes. broken conduit near forward abutment.

Substructure

Wingwalls

Spall on forward right cheekwall.

Slope Protection

Erosion at top left of forward slope.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures