

Ohio Bridge Inspection Summary Report

MOT-T0019-0107 (5769108)

2: District 15644 - CLAYTON (MOT county)
 ict
 07

5A: Inventory Route 1 M0019

21: Major Maint A/B 02 - County Highway Agency /
 225 Routine Main A/B 02 - County Highway Agency /
 221 Inspection A/B 02 - County Highway Agency /
 220: Inv. Location CLT

7: Facility On Crestway Road
 6: Feature Ints N. Br. Wolf Creek
 9: Location 2100 FEET SOUTH OF I 70
 Lat, Lon 39.847814 , -84.349247

Condition	Structure Type
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58: Deck **5 - Fair Condition**
 58.01 Wearing Surface 5 - Fair (10-15%, 2% asphalt patch)
 58.02 Joint 7- Good (no leaking)
59: Superstructure **5 - Fair Condition**
 59.01 Paint & PCS N - Not Applicable
60: Substructure **6 - Satisfactory Condition**
61: Channel **5**
61.01 Scour **7 - Good**
62: Culverts **N - Not Applicable**
67.01 GA **5**

43: Bridge Type 5 - Prestressed concrete
 05 - Box Beam or Girders - Multiple
 N- Not Applicable
 45: Spans Main / Approach 1 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck N - Non-composite Construction
 414A Joint Type 1 4 - Poured
 414B: Joint Type 2 N - None
 108A: Wearing Surface 6 - Bituminous
 N- Not Applicable

Appraisal	422: WS Date
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Sufficiency Rating 85.9 SD/FO 0 - ND
 36: Rail, Tr, Gd, Term Std 0 0 1 1
 72: Approach Alignment 6 - Equal to present minimum criteria
 113: Scour Critical 5 - Scour within limits of footing or piles
 71: Waterway Adequacy 6 - Occasional Overtopping of Approaches

422: WS Date 07/01/2016
 423: WS Thick (in) 4
 482: Protective Coating N - None or Not Applicable
 483: PCS Date
 453: Bearing Type 1 4 - Elastomeric (Plain)
 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	422: WS Date
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48: Max Span Length (ft) 63.0
 49: Structure Length (ft) 65.0
 52: Deck Width, Out-To-Out (ft) 28.0
 424: Deck Area (sf) 1820
 32: Appr Roadway Width (ft) 28.0
 51: Road Width, Curb-Curb (ft) 28.0
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 25
 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	422: WS Date
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27: Year Built/ 106 Rehab 1962 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 02
 28B: Lanes Under 00
 19: Bypass Length 1
 29: ADT 624
 109: % Trucks (%) 4

Load Posting	422: WS Date
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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 11/18/2011
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections	422: WS Date
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90: Routine Insp. 12 Months 03/14/2022
 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 Schaub,Mark

ODOT District: District 07

MOT-T0019-0107_(5769108)

Date Built: 07/01/1962

Major Maint: 02 - County Highway Agency

Facility Carried: Crestway Road

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 02 - County Highway Agency

Feature Inters: N. Br. Wolf Creek

Traffic Under: 5 - Waterway

Insp: 02 - County Highway

FIPS Code: 15644 - CLAYTON (MOT county)

Location: CLT

2100 FEET SOUTH OF I 70

Resp A: Agency

Insp

Resp B:

Inspector

Schaub,Mark

Inspection Date

03/14/2022

Reviewer Shields,David

Inspector Comments - Deck and Approach

Deck

Bridge Railing (LF)

- Railing too low, ~22".

Wearing Surface (SF)

- Waterproofing failed, leakage through wearing surface onto and through deck.

Approach

Approach Wearing Surface (EA)

- Unsealed transverse cracks over expansion joint areas.
- Longitudinal crack at North end in SB lane.

Inspector Comments - General Appraisal

Superstructure

Beams/Girders (LF)

- Weep hole heavy moisture leakage on beams 1, 6, and 7.
- #1 beam, spall on face at the Northwest corner, 12"L x 6"H x 3"D, rebar showing.
- #1 beam, crack 20'L starting at the North of beam along the center, this area is leaking moisture and sounds delaminated.
- #2 beam, spall, South 1/3, East edge, 18"L x 2"W x 1"D.
- #2 beam, delam, South 1/3, East edge, 3'L x 2"W.
- #6 beam, spall mid span, 18"L x 6"W x 1/2"D, one exposed strand.
- #6 beam, wet and leaking weep hole.
- #7 beam, spall midspan on outside corner edge, 12"L x 4"W x 2"D.
- #7 beam, longitudinal cracks 6'L x 1'H, under drip edge, South end of fascia.
- Several areas of leakage between beams.
- G.A. based on deteriorated condition of beam 1, large deteriorated area at the North end of beam

Substructure

Abutment Walls (LF)

- North abutment West corner of abutment at wing wall, spalled area, 10"W' x 6'H x 4"D, hollow sounding and efflorescence all around spalled area.
- North abutment, horizontal cracking along seat in center of bridge.
- South abutment at the East corner, top 2' of wing wall spalling off next to the structure, area 2'H x 1'W x 6"D.
- South abutment, spall at bottom of East end, 12"H x 8"W x 2"D.

Abutment Caps (LF)

- North abutment spalled area with loss of bearing, 18"W x 4"D x 6"H around beam 1 at the West end.
- North abutment moisture saturated area with rust stains and horizontal cracking across the top of abutment.
- South abutment efflorescence, horizontal cracking, and rust staining near the seat entire width of structure.

Wingwalls (EA)

- All walls cracking with efflorescence.
- Northwest wall, large spall area with exposed steel top of wall near abutment #1 beam seat.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel

Photos are on file for viewing upon request

Channel Alignment (LF)

- Channel flows against South abutment, Large portion of downstream bank already washed out. **Recommend realignment of channel.**

Scour Critical