

Inspector: Schmidt,Eric

Inspection Date: 05/13/2025

Structure Number: 0901816

Facility Carried: SR 129

Ohio Bridge Inspection Summary Report**BUT-00129-2561C (0901816)**

B.L.04: District District 0843050 - LIBERTY TWP (BUT county)
 B.CL.02: Major Maint 02 - County Highway Agency /02
 225 Routine Main A/B 01 - State Highway Agency /
 221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00129
 7: Facility On SR 129
 6: Feature Ints RP F;RP J;HOSPITAL DR
 9: Location 0.14 MI W COX RD
 Lat, Lon 39.373361 ,-84.362811

Condition

B.C.01: Deck 8
 58.01: Wearing Surface 7
B.C.08: Joint 9
B.C.02: Superstructure 9
 59.01: Paint & PCS 9
B.C.03: Substructure 9
B.C.09: Channel N
B.C.11: Scour N
B.C.10: Channel Prot. N
B.C.05: Bridge Railing 8

B.C.06: Transitions 8
B.C.07: Bearings 8

B.C.04: Culverts N
Ohio GA 9

Structure Type

43: Bridge Type 4 - Steel continuous
 02 - Stringer/Multi-beam or Girder
 N- Not Applicable
 45: Spans Main / Approach 2 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck Y - Composite Construction
 414A Joint Type 1 8 - Elastomeric Strip Seal
 414B: Joint Type 2
 108A: Wearing Surface 1 - Monolithic Concrete
 (concurrently placed with structural deck)
 N - Not Applicable
 422: WS Date 11/25/2022
 423: WS Thick (in) 1.0
 482: Protective Coating
 483: PCS Date 11/25/2022
 453: Bearing Type 1 C - Elastomeric (laminated)
 455: Bearing Type 2
 528: Foundn: Abut Fwd 3 - Drilled Shafts
 533: Foundn: Abut Rear 3 - Drilled Shafts
 536: Foundn: Pier 1 3 - Drilled Shafts
 539: Foundn: Pier 2

Appraisal

B.AP.03: Scour Vul. Not over Waterway

Geometric

48: Max Span Length (ft) 155.4
 49: Structure Length (ft) 311.0
 52: Deck Width, Out-To-Out (ft) 79.6
 424: Deck Area (sf) 24755.6
 32: Appr Roadway Width (ft) 73.3
 51: Road Width, Curb-Curb (ft) 73.5
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 53
 33: Bridge Median 3 - Closed median with non-mountable barriers
 54B: Min Vert Underclearance (ft) 16.33
 336A: Min Vert Clrnce IR Cardinal (ft) 99
 336B: Min V Clr IR Non-Cardinal (ft) 99
 578: Culvert Length (ft) 0

Age and Service

27: Year Built/ 106 Rehab 2022 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 1 - Highway, with or w/out pedestrian
 28A: Lanes on 04
 28B: Lanes Under 04
 19: Bypass Length 01
 29: ADT 12910
 109: % Trucks (%) 1

Inspections

Months
 B.IE.03 Routine Insp. 12 05/13/2025
 B.IE.03: NSTM Insp. N 0
 B.IE.03: UW Insp. N 0
 B.IE.03: Special Insp.
 UBIT Insp. N 0
 Drone Insp. N 0
 Inspector Schmidt,Eric

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 08/03/2020
 63: Analysis Method F - Assigned rating based on Load and Resistance Factor Design (LRFD) reported by Rating Factor (RF) using HL93 loadings

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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. | 24312 | sq. ft. | 24186 | 126 | 0 | 0 |
| | CS2: Transverse cracking with minor efflor. span 2. Span 1, bay 4, near rear, 1 sf area of seepage (oil) with exposed coated steel. | | | | | | |
| 805-Wearing Surface - Monolithic Concrete | | 24312 | sq. ft. | 23852 | 460 | 0 | 0 |
| | CS2, Few small gouges in wearing surface, westbound outside lane. 6 agg pop outs in EB right lane. Transverse cracks at 1' to 4' spacing on WB. | | | | | | |
| 107-Steel Open Girder/Beam | 3 - Mod. | 2727 | ft. | 2727 | 0 | 0 | 0 |
| | A588 weathered steel, PCS at the beam ends | | | | | | |
| 515-Steel Protective Coating | | 41031 | sq. ft. | 41028 | 3 | 0 | 0 |
| | A588 weathered steel, PCS at the beam ends. CS2: Beam 6, span 2 and close to splice plate, appears to be an area of flaking rust. | | | | | | |
| 205-Reinforced Concrete Column | 3 - Mod. | 9 | each | 9 | 0 | 0 | 0 |
| 521-Concrete Protective Coating | | 3052 | sq. ft. | 3052 | 0 | 0 | 0 |
| 215-Reinforced Concrete Abutment | 3 - Mod. | 253 | ft. | 247 | 6 | 0 | 0 |
| | 2024- Paint scrapes from collision at right rear abut. CS2: HL vertical cracks in both abutments one with efflor. in fwd. abutment. | | | | | | |
| 521-Concrete Protective Coating | | 2530 | sq. ft. | 2530 | 0 | 0 | 0 |
| 234-Reinforced Concrete Pier Cap | 3 - Mod. | 132 | ft. | 131 | 1 | 0 | 0 |
| | CS2: Hole from form work left unfilled. | | | | | | |
| 521-Concrete Protective Coating | | 628 | sq. ft. | 628 | 0 | 0 | 0 |
| 300-Strip Seal Joint | 3 - Mod. | 159 | ft. | 124 | 35 | 0 | 0 |
| | CS2: Some debris in glands. Sealed cracks in fwd. header. | | | | | | |
| 310-Elastomeric Bearing | 3 - Mod. | 27 | each | 27 | 0 | 0 | 0 |
| 321-Reinforced Concrete Approach Slab | 3 - Mod. | 2880 | sq. ft. | 2670 | 210 | 0 | 0 |
| | CS2: Sealed and unsealed longitudinal cracks in EB slab lanes. Diagonal cracking at FWD and rear. | | | | | | |
| 331-Reinforced Concrete Bridge Railing | 3 - Mod. | 608 | ft. | 608 | 0 | 0 | 0 |
| | Few minor scrapes from construction. | | | | | | |
| 521-Concrete Protective Coating | | 4864 | sq. ft. | 4864 | 0 | 0 | 0 |
| 815-Drainage | 3 - Mod. | 2 | each | 2 | 0 | 0 | 0 |
| 830-Abutment Backwall | 3 - Mod. | 253 | ft. | 253 | 0 | 0 | 0 |
| 521-Concrete Protective Coating | | 1012 | sq. ft. | 1012 | 0 | 0 | 0 |

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ODOT District: District 08

BUT-00129-2561C _(0901816)

Date Built: 11/25/2022

Major Maint: 02 - County Highway Agency

Facility Carried: SR 129

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: RP F;RP J;HOSPITAL DR

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

Insp. 01 - State Highway Agency

FIPS Code: 43050 - LIBERTY TWP (BUT county)

Location: DISTRICT 08

0.14 MI W COX RD

Insp
Resp B:

Inspector

Schmidt,Eric

Inspection Date 05/13/2025

Reviewer Collett,Brandon

Inspector Comments - Deck and Approach

Deck, Wearing Surface, Joints, Railing

Floor/Slab

Transverse cracking with minor efflor. span 2. Span 1, bay 4, near rear, 1sf area of seepage (oil) with exposed coated steel.

Bridge Wearing Surface

Few small gouges in wearing surface, westbound outside lane. Sealed and unsealed cracks, heaviest in WB lanes. Pavement markings light and worn.

Bridge Railing

Few minor scrapes from construction.

Deck Drainage

Expansion Joint

Debris in glands. Sealed cracks in fwd. slab header.

Approach

Approach Wearing Surface

No issues. Diagonal cracking at FWD and rear.

Approach Slab

Sealed and unsealed longitudinal cracks, EB lanes rear and fwd.

Approach Embankment

Inspector Comments - General Appraisal

Superstructure, Bearings

Beams/Girders

Diaphragm/X-Frames

Protective Coating System

A588 weathered steel, PCS at the beam ends. Beam 6, span 2 and close to splice plate, appears to be an

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area of flaking rust.

Utilities

Lights attached to pier.

Substructure

Abutment Walls

HL vertical cracks in both abutments, some sealed.

Pier Caps

Hole unfilled from form work.

Pier Columns

Wingwalls

Slope Protection

Culvert

Inspector Comments - Waterway

Channel Protection

Channel

Scour

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Bridge Inspection Report

Pictures