

Inspector: Schmidt,Eric

Inspection Date: 08/28/2025

Structure Number: 3103404

Facility Carried: COLUMBIA PARKWAY

Ohio Bridge Inspection Summary Report

HAM-00050-2181N (3103404)

B.L.04: District District 0815000 - CINCINNATI (HAM county)

B.CL.02: Major Maint 01 - State Highway Agency /

225 Routine Main A/B 01 - State Highway Agency /

221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00050

7: Facility On COLUMBIA PARKWAY

6: Feature Ints BUTLER ST, PARKING AREA

9: Location AT I471 & US50 INT

Lat, Lon 39.10315 , -84.503269

Condition

B.C.01: Deck 6

58.01: Wearing Surface 7

B.C.08: Joint 5

B.C.02: Superstructure 8

59.01: Paint & PCS 8

B.C.03: Substructure 7

B.C.09: Channel N

B.C.11: Scour N

B.C.10: Channel Prot. N

B.C.05: Bridge Railing 7

B.C.06: Transitions 7

B.C.07: Bearings 6

B.C.04: Culverts N

Ohio GA 7

Appraisal

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

Geometric

48: Max Span Length (ft) 85.0

49: Structure Length (ft) 194.0

52: Deck Width, Out-To-Out (ft) 25.1

424: Deck Area (sf) 4869.4

32: Appr Roadway Width (ft) 20.0

51: Road Width, Curb-Curb (ft) 19.0

50A: Curb/SW Width: Left (ft) 0

50A: Curb/SW Width: Right (ft) 0

34: Skew (deg) 99

33: Bridge Median 0 - No median

54B: Min Vert Underclearance (ft) 15

336A: Min Vert Clrnce IR Cardinal (ft) 99

336B: Min V Clr IR Non-Cardinal (ft) 0

578: Culvert Length (ft) 0

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 07/01/2012

63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

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 N - Non-composite Construction

414A Joint Type 1 8 - Elastomeric Strip Seal

414B: Joint Type 2 N - None

108A: Wearing Surface 1 - Monolithic Concrete
(concurrently placed with structural deck)
N - Not Applicable

422: WS Date

423: WS Thick (in) 1.2

482: Protective Coating 5 - Paint System OZEU

483: PCS Date 10/01/2001

453: Bearing Type 1 2 - Rockers & Bolsters

455: Bearing Type 2 B - Fixed

528: Foundn: Abut Fwd N - None (Such as most Culverts)

533: Foundn: Abut Rear 2 - Cast-in-Place reinforced
Concrete Piles (Other diameter)

536: Foundn: Pier 1 2 - Cast-in-Place Reinforced
Concrete Piles (Other diameter)

539: Foundn: Pier 2 N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab 1978 / 0000

42A: Service On 1 - Highway

42B: Service Under 1 - Highway, with or w/out
pedestrian

28A: Lanes on 01

28B: Lanes Under 02

19: Bypass Length 1

29: ADT 10000

109: % Trucks (%) 1

Inspections

B.IE.03 Routine Insp. 12 Months 08/27/2025

B.IE.03: NSTM Insp. Y 24 08/12/2024

B.IE.03: UW Insp. N 0

B.IE.03: Special Insp.

UBIT Insp. N 0

Drone Insp. N 0

Inspector Schmidt,Eric

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[illegible]

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Inspection Date: 08/28/2025

Facility Carried: COLUMBIA PARKWAY

ODOT District: District 08

HAM-00050-2181N_(3103404)

Date Built: 07/01/1978

Major Maint: 01 - State Highway Agency

Facility Carried: COLUMBIA PARKWAY

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: BUTLER ST, PARKING AREA

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

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 15000 - CINCINNATI (HAM county)

Location: DISTRICT 08

AT I471 & US50 INT

Insp
Resp B:

Inspector

Schmidt,Eric

Inspection Date 08/28/2025

Reviewer Meyer,Jeff

Inspector Comments - Deck and Approach

Deck, Wearing Surface, Joints, Railing

Floor/Deck

There are isolated haunch spalls and hairline cracks, some with light efflorescence. In Span 2, along Girder A, there is an 8' L shallow haunch spall.

At Pier 1, the east soffit, near Girder A, has a 1'-6" L x 1' W x 6" D spall with exposed steel.

Bridge Wearing Surface

HL transverse cracks, few small, shallow spalls along joint at pier 2 and HL map cracking at east end.

Bridge Railing

There are some hairline transverse cracks, isolated shallow spalls along the joint near Pier 1, and hairline map cracking near the east end of the bridge.

Drainage

There is a small amount of trash sitting on top of the scupper near the Rear Abutment.

Expansion Joints

The joint material is deteriorated with tears and portions missing. The joint armor has surface corrosion over the entire length.

Approach

Approach Wearing Surface

There are no deficiencies noted.

Approach Slab

There is vegetation growing in the shoulders.

Approach Embankment

There are no deficiencies noted.

Approach Guardrail

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The crash attenuator has impact damage with loose panels, loose cables, and deployed cushions. The guardrail near the Rear Abutment is a W-beam rail with no noted deficiencies.

Signs

There is an exit sign at the beginning of the ramp near Pier 4 of HAM-50-2180N. The sign support is in very good condition. No significant deficiencies are noted.

Inspector Comments - General Appraisal

Superstructure, Bearings

Superstructure Alignment

The bridge alignment is in good condition with no significant deficiencies noted at the time of the inspection.

Beams/Girders

There is surface corrosion to the underside of the bottom flanges at the ends near the Rear Abutment.

Diaphragm/X-Frames

In Span 2, the 3rd crossframe south of Pier 1 has insufficient weld length and there are no connection bolts at the top east connection and the bottom west connection between Girders A and B.

Floorbeams

The steel floorbeams are only located in Spans 2 and 3 and are in very good condition. No significant deficiencies are noted.

Bearings

Movable: There is up to 1/2" pack rust between the rocker and the masonry plate at Pier 2. The masonry plates at the rocker bearings have both surface corrosion and laminar corrosion. The rockers also have laminar corrosion on them at this location. Girder A is contacting the backwall at the Rear Abutment.

Fixed: The bearing at Pier 4 of HAM-50-2180N has a loose anchor bolt nut and two anchor nuts that have up to 30% section loss. The masonry plate has laminar corrosion beginning.

Protective Coating System

The bridge was painted in 2001 per the date stamp near the Rear Abutment. There are isolated areas of corrosion.

Pins/Hangers/Hinges

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The plate on the interior face of Girder A has 1/32" gouges in it near the top.

Utilities

There are lights mounted to Girder B in Span 2. They are located over the parking lot and are in good condition. The support bracket for the lighted exit ramp sign has no apparent deficiencies. The mounted anchor for the pole could not be reached from the lift position below. The other light pole is off the bridge. The function of the street lights for the underpass was not able to be verified since the inspection was performed during the day, but no instabilities in their mounting was observed.

Substructure

Abutments

No joint seepage, spalls, discernible crack patterns, or other deficiencies were observed in the abutment.

Pier Walls

There are scattered hairline cracks in the walls.

Pier Caps

Notes on the pier cap at Pier 4 is in the report for HAM-50-2180N. The pier caps at the ramp have scattered hairline cracks.

Backwalls

No spalls, discernible crack patterns, or other deficiencies were observed.

Wingwalls

There are no significant deficiencies noted.

Slope Protection

There are no significant deficiencies noted.

Culvert

N/A

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Inspector Comments - Waterway

Channel Protection

N/A

Channel

N/A

Scour

N/A