

Inspector: Miller,Jason

Inspection Date: 02/24/2025

Structure Number: 1805282

Facility Carried: FULTON RD

## Ohio Bridge Inspection Summary Report

**CUY-00071-1679 (1805282)**

B.L.04: District District 1216000 - CLEVELAND (CUY county)

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

225 Routine Main A/B 04 - City or Municipal Highway /  
Agency

221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 14727

7: Facility On FULTON RD

6: Feature Ints IR-71

9: Location .72 MI. N. OF JCT. US-42

Lat, Lon 41.454819 , -81.7151

### Condition

**B.C.01: Deck** 7

58.01: Wearing Surface 7

**B.C.08: Joint** N

**B.C.02: Superstructure** 7

59.01: Paint & PCS 4

**B.C.03: Substructure** 5

**B.C.09: Channel** N

**B.C.11: Scour** N

**B.C.10: Channel Prot.** N

**B.C.05: Bridge Railing** 6

**B.C.06: Transitions** N

**B.C.07: Bearings** 7

**B.C.04: Culverts** N

**Ohio GA** 5

### Appraisal

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

### Geometric

48: Max Span Length (ft) 92.0

49: Structure Length (ft) 464.0

52: Deck Width, Out-To-Out (ft) 85.0

424: Deck Area (sf) 39440

32: Appr Roadway Width (ft) 71.0

51: Road Width, Curb-Curb (ft) 71.0

50A: Curb/SW Width: Left (ft) 6

50A: Curb/SW Width: Right (ft) 6

34: Skew (deg) 48

33: Bridge Median 0 - No median

54B: Min Vert Underclearance (ft) 14.91

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 09/16/2019

63: Analysis Method 8 - Load and Resistance Factor Rating  
(LRFR) rating report by rating factor (RF)

### Structure Type

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 Y - Composite Construction

414A Joint Type 1 N - None

414B: Joint Type 2 N - None

108A: Wearing Surface 1 - Monolithic Concrete  
(concurrently placed with structural  
deck)

N - Not Applicable

422: WS Date 04/12/2003

423: WS Thick (in) 1.0

482: Protective Coating 8 - Paint System A with  
intermediate tie coat

483: PCS Date 01/01/1987

453: Bearing Type 1 2 - Rockers & Bolsters

455: Bearing Type 2 N - None

528: Foundn: Abut Fwd 1 - Steel H Piles (Other size)

533: Foundn: Abut Rear 1 - Steel H Piles (Other Size)

536: Foundn: Pier 1 4 - Spread Footing (on soil)

539: Foundn: Pier 2 0 - Other

### Age and Service

27: Year Built/ 106 Rehab 1967 / 2003

42A: Service On 6 - Overpass structure at an  
interchange or second level of  
a multilevel interchange

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

28A: Lanes on 04

28B: Lanes Under 06

19: Bypass Length 2

29: ADT 14814

109: % Trucks (%) 4

### Inspections

90: Routine Insp. 12  
*Months*

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 Miller,Jason

**Inspector:** Miller,Jason  
**Inspection Date:** 02/24/2025  
method using HL-93 loadings.

**Structure Number:** 1805282  
**Facility Carried:** FULTON RD

**Structure Number:** 1805282  
**Facility Carried:** FULTON RD

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12-Reinforced Concrete Deck</b>	3 - Mod.	39440	sq. ft.	36425	3000	15	0
	CS2- Transverse leaching cracks. Small isolated areas of honeycombing. CS3- Haunch spalls and delaminations in median bay.						
<b>805-Wearing Surface - Monolithic Concrete</b>		32944	sq. ft.	24924	8000	8	12
	CS2- Transverse cracks at 2' to 5' spacing. Diagonal cracks at deck ends. Some areas of scaling. Concrete patch in Southbound Lane #1. Chipping along approach joints. CS3- Shallow spalls in East and Westbound lanes near mid span. CS4- Asphalt patches in NB lane #1 and 2.						
<b>107-Steel Open Girder/Beam</b>	3 - Mod.	4640	ft.	3930	625	85	0
	CS2- Collision damage to left fascia over Southbound ramp with minor gouges in lower flange, 2 bent stiffeners and minor dent in web. Two damaged angles of old drainage supports welded to stiffeners in bay 9 (over Southbound ramp and over forward slope). Areas of light corrosion throughout. CS3- Scattered areas of minor section loss to lower flanges.						
<b>515-Steel Protective Coating</b>		55293	sq. ft.	0	49443	5000	850
	CS2- Chalking and faded paint throughout. CS3- Rust and peeling paint to stiffeners and lower flanges. CS4- Areas of paint failure to lower flanges.						
<b>205-Reinforced Concrete Column</b>	3 - Mod.	40	each	5	35	0	0
	CS2- Rust stains to a few columns. Fiber wrap repairs to P1C1-3, C-7, P2C1-C8, P3C1-8, P4C1-C8, P5C1-C3, C5-7.						
<b>521-Concrete Protective Coating</b>		4521	sq. ft.	4521	0	0	0
<b>215-Reinforced Concrete Abutment</b>	3 - Mod.	170	ft.	125	20	25	0
	CS2 - Cracks. CS3 - Delaminations under bearings 6-9 at rear and forward #2. Wide horizontal cracks up to 3' in length at rear and forward.						
<b>521-Concrete Protective Coating</b>		510	sq. ft.	510	0	0	0
<b>234-Reinforced Concrete Pier Cap</b>	3 - Mod.	425	ft.	295	40	85	5
	CS2- Cracks. Rebar chair rust stains on bottom face of caps. Fiber wrap repairs to P1,P2, P3, and P5. CS 3 - Large delaminations and spall with exposed rebar on bottom of P1 cap. Delaminations to left end of P2 and P3 caps that run into bearing seat of left fascia beam. Delaminations to P3 and P4 caps under median bay. Spall to P3 cap above C1. 5 ft delamination to P2 cap between columns 4 and 5. CS4- 4 continuous exposed rebar to P1 cap between columns 6 and 7.						
<b>521-Concrete Protective Coating</b>		3825	sq. ft.	3825	0	0	0
<b>311-Movable Bearing</b>	3 - Mod.	60	each	42	18	0	0
	CS2- Surface rust. Transverse movement to some pier rockers as great as 1/4". Missing keeper plates. The corner of a few masonry plate at rear overhang abutment by up to 3/4". Rear bearing #8 tipped out inconsistent with temperature.						

**Structure Number:** 1805282  
**Facility Carried:** FULTON RD

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>313-Fixed Bearing</b>	3 - Mod.	10	each	0	10	0	0
	CS2- Surface rust.						
<b>321-Reinforced Concrete Approach Slab</b>	3 - Mod.	4035	sq. ft.	2835	1200	0	0
	CS2- Cracks.						
<b>331-Reinforced Concrete Bridge Railing</b>	3 - Mod.	928	ft.	607	312	9	0
	Collision damage to rear-left approach fence with two broken posts. A few delaminations at fence posts.  CS2- Cracks. Some scaling and scrapes. Approach pedestrian rail tipped in slightly at forward-right.  CS3- 1 sf spall with wood embedded on right pedestrian rail. Wide crack with shallow spalling to right rail near forward. Shallow spalls throughout.						
<b>521-Concrete Protective Coating</b>		5568	sq. ft.	5568	0	0	0
<b>815-Drainage</b>	3 - Mod.	12	each	12	0	0	0
	Ponding at rear right. Downspouts are plugged at bottom of slopes at the southwest and northeast corners.						
<b>830-Abutment Backwall</b>	3 - Mod.	170	ft.	155	15	0	0
	CS2- A few cracks and delaminations.						
<b>521-Concrete Protective Coating</b>		680	sq. ft.	680	0	0	0
<b>840-Approach Slab: Termination or Joint</b>	3 - Mod.	158	ft.	0	0	158	0
	Bounce onto and off bridge at rear.  CS3- Rough asphalt patches, spalls and wide cracks to both along slabs.						

**Inspector:** Miller,Jason

**Structure Number:** 1805282

**Inspection Date:** 02/24/2025

**Facility Carried:** FULTON RD

**CUY-00071-1679\_(1805282)**

ODOT District: District 12

Date Built: 07/01/1967

Major Maint: 01 - State Highway Agency

Facility Carried: FULTON RD

Traffic On: 6 - Overpass structure at an interchange or second level of a multi-lane interchange

Rehab Date: 04/12/2003

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: IR-71

Traffic Under: 1 - Overpass structure at an interchange or second level of a multi-lane interchange

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: DISTRICT 12

.72 MI. N. OF JCT. US-42

Insp Resp B:

Inspector

Miller,Jason

Inspection Date

02/24/2025

Reviewer

Seif,Youssef

## **Inspector Comments - Deck and Approach**

### **Deck**

#### **Floor/Slab**

Spalls over traffic SB in median bay over lane 3.

#### **Curbs/Sidewalk**

Transverse cracks.

### **Approach**

#### **Approach Embankment**

Forward-left (SE corner) approach walk is undermined at end of wingwall with the sidewalk corner broken off. Minor settlement to rear-left approach walk.

#### **Approach Guardrail**

Cracks to concrete approach transitions.

#### **Approach Fence**

Collision damage to north east corner fence fabric and 3 post.

#### **Signs**

No bridge end markers.

## **Inspector Comments - General Appraisal**

### **Superstructure**

#### **Diaphragm/X-Frames**

Rusting section loss. Lower horizontal angles of 2 xframes in bay 1 & 1 xframe in bay 2 are slightly bent over SB ramp. Cracks and areas of break up & spalls to concrete diaphragms. Unpainted x-frame bay 3 at rear.

#### **Fatigue**

Bracket and rebar welded to web and lower flange of beam 5 over forward slope.

#### **Utilities**

Section of conduit disconnected @ forward abutment. Bay 2 conduits have shifted near collision damage over SB ramp. Section loss to conduit and hardware.

**Inspector:** Miller,Jason  
**Inspection Date:** 02/24/2025

**Structure Number:** 1805282  
**Facility Carried:** FULTON RD

**Substructure**

Substructure rated a "5" at 2021 inspection due to cap issues.

**Culvert**

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel**

**Scour Critical**

**Inspector:** Jason Miller

**Structure Number:** 1805282

**Inspection Date:** 02/24/2025

**Facility Carried:** FULTON RD

**Bridge Inspection Report**

**Pictures**