

Inspector: Miller,Jason

Inspection Date: 02/16/2024

Structure Number: 1805282

Facility Carried: FULTON RD

**Ohio Bridge Inspection Summary Report****CUY-00071-1679 (1805282)**2: District 16000 - CLEVELAND (CUY county)  
ict  
12

5A: Inventory Route 1 14727

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 127: Facility On FULTON RD  
6: Feature Ints IR-71  
9: Location .72 MI. N. OF JCT. US-42  
Lat, Lon 41.45467 , -81.715169

Condition		Structure Type	
<b>58: Deck</b>	<b>7 - Good Condition</b>	43: Bridge Type	4 - Steel continuous
58.01 Wearing Surface	7 - Good (1% distress)		02 - Stringer/Multi-beam or Girder
58.02 Joint	N- Not Applicable		N- Not Applicable
<b>59: Superstructure</b>	<b>7 - Good Condition</b>	45: Spans Main / Approach	6 / 0
59.01 Paint & PCS	4 - Poor PCS (15-20% corr.)	107: Deck Type	1 - Concrete Cast-in-Place
<b>60: Substructure</b>	<b>5 - Fair Condition</b>	408: Composite Deck	Y - Composite Construction
<b>61: Channel</b>	<b>N</b>	414A Joint Type 1	N - None
<b>61.01 Scour</b>	<b>N - Not Applicable</b>	414B: Joint Type 2	N - None
<b>62: Culverts</b>	<b>N - Not Applicable</b>	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
			N- Not Applicable
<b>67.01 GA</b>	<b>5</b>	422: WS Date	04/12/2003

Appraisal		423: WS Thick (in)	1.0
Sufficiency Rating	82.5 SD/FO 2 - FO	482: Protective Coating	8 - Paint System A with intermediate tie coat
36: Rail, Tr, Gd, Term Std	1 N N N	483: PCS Date	01/01/1987
72: Approach Alignment	8 - Equal to present desirable criteria	453: Bearing Type 1	2 - Rockers & Bolsters
113: Scour Critical	N - Not over waterway	455: Bearing Type 2	N - None
71: Waterway Adequacy	N - Not Applicable	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

Geometric		Age and Service	
48: Max Span Length (ft)	92.0	27: Year Built/ 106 Rehab	1967 / 2003
49: Structure Length (ft)	464.0	42A: Service On	6 - Overpass structure at an interchange or second level of a multilevel interchange
52: Deck Width, Out-To-Out (ft)	85.0	42B: Service Under	1 - Highway, with or w/out pedestrian
424: Deck Area (sf)	39440	28A: Lanes on	04
32: Appr Roadway Width (ft)	71.0	28B: Lanes Under	06
51: Road Width, Curb-Curb (ft)	71.0	19: Bypass Length	2
		29: ADT	14814
50A: Curb/SW Width: Left (ft)	6	109: % Trucks (%)	4
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		Inspections	
41: Op/Post/Closed	A - Open	90: Routine Insp.	Months 12 02/16/2024
70: Posting	5 - Equal to or above legal loads	92A: FCM Insp.	N 0
70.01: Date		92B: Dive Insp.	N 0
70.02: Sign Type		92C: Special Insp.	N 0
734: Percent Legal (%)	150	92D: UBIT Insp.	N 0
704: Analysis Date	09/16/2019	92E: Drone Insp.	N 0
		Inspector	Miller,Jason

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63: Analysis Method	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.		

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	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.						

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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/out

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/out

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

02/16/2024

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.

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**Substructure**

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

**Culvert**

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel**

**Scour Critical**

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### Bridge Inspection Report

### Pictures