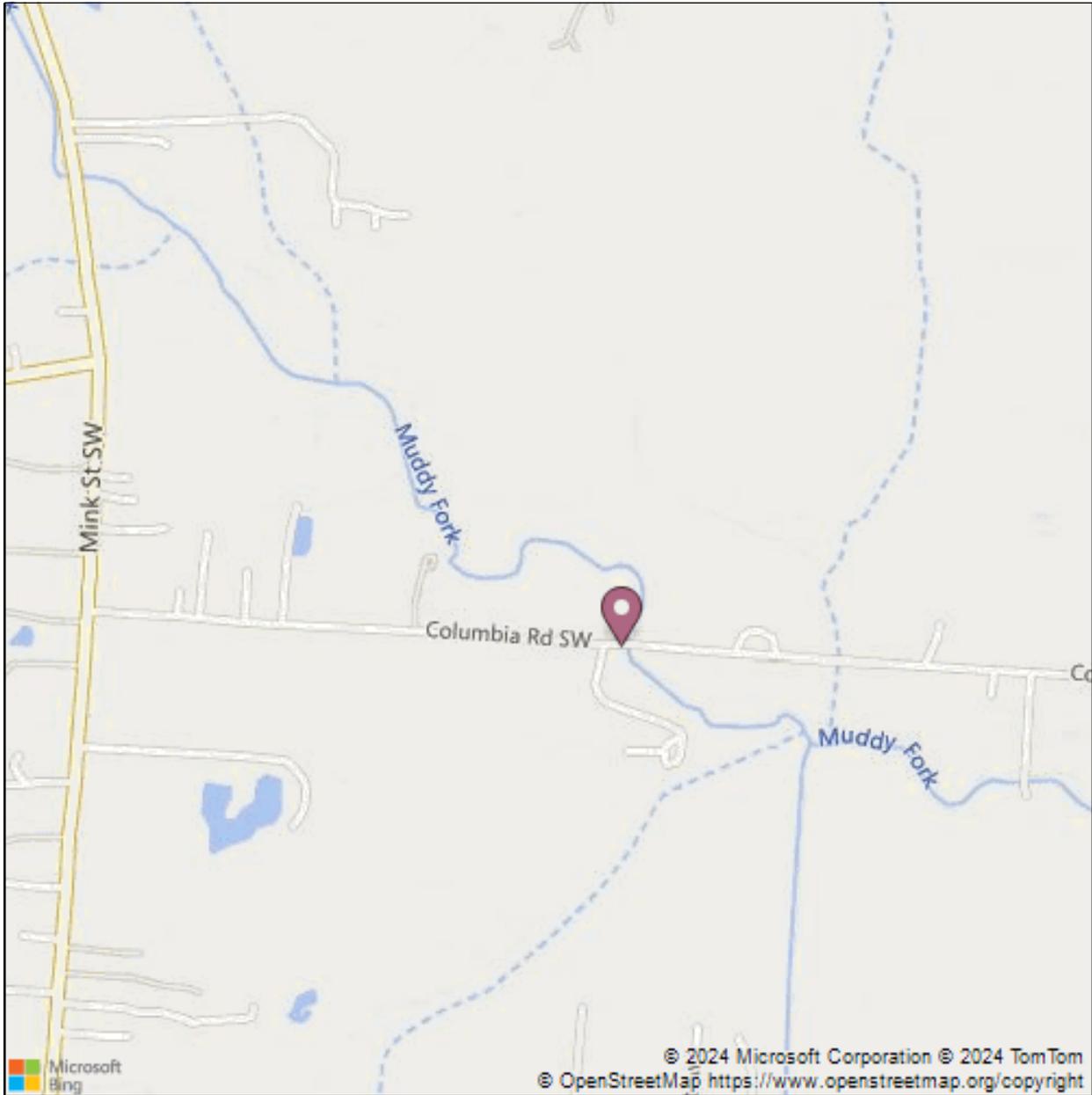


Inspector: Prendeville, Brendan  
Inspection Date: 10/30/2024

Structure Number: 4563808  
Facility Carried: COLUMBIA ROAD



Latitude: 40.01100

Longitude: -82.71721

Inspector: Prendeville,Brendan

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

LIC-T0038-0315 \_(4563808)

ODOT District: District 05

Date Built: 07/01/1995

Major Maint: 04 - City or Municipal Highway Agency

Facility Carried: COLUMBIA ROAD

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: MUDDY FORK

Traffic Under: 5 - Waterway

Insp. Resp A: 04 - City or Municipal Highway Agency

FIPS Code: 61112 - PATASKALA (LIC county)

Location: CITY OF PATASKALA 0.58 MILES E OF CR 26

Insp Resp B:

Inspector Prendeville,Brendan

Inspection Date 10/30/2024

Reviewer Prendeville,Brendan

National Bridge Inventory

Status 1 - SD Sufficiency Rating 33.0

Identification Inspections

(1) State Code 395 - Ohio

(90) Inspection Date 10/30/2024

(8) Structure File Number (SFN) 4563808

(91) Designated Inspection Frequency 12

(7) Facility Carried COLUMBIA ROAD

(92) Critical Feature Inspection (93) CFI Date

(208) Route on the Bridge 42 - Township

A. Fracture Critical Detail N 0

B. Underwater Inspection N 0

(2) Highway Agency District District 05

C. Other Special Inspection N 0 02/21/2024

(3) County Code 45 - Licking

D.01 Snooper Inspection N 0

(209) Interstate Mile Marker

E.01 Drone Inspection N 0

(201) Special Designation

Condition

(4) Place Code (FIPS) 61112 - PATASKALA (LIC county)

(58) Deck 5 - Fair Condition

(5) Inventory Route

(A) Record Type On/Under Always "On" 1: Route carried "on" the structure

(58.01) Wearing Surface 6 - Satisfactory (1-10% distress)

(B) Route Signing Prefix (Highway System) 5 - CITY STREET

(58.02) Expansion Joint 6- Satisfactory (isolated leaking)

(C) Designated Level of Service (Highway Designation) 1 - MAINLINE

(D) Route Number T0038

(59) Superstructure 4 - Poor Condition

(E) Directional Suffix 0 - NOT APPLICABLE

(6) Features Intersected MUDDY FORK

(59.01) Protective Coating System (PCS) 1 - Failed PCS

(9) Location 0.58 MILES E OF CR 26

(60) Substructure 6 - Satisfactory Condition

(11) Milepoint 03.150

(12) Base Highway Network Inventory Route is not on the Base Network

(61) Channel & Channel Protection 5 - Bank eroded.. major damage

(13A) LRS Inventory Route

(13B) Subroute Number

(16) Latitude 40.01100 Degrees

(61.01) Scour 7 - Good

(17) Longitude -82.71721 Degrees

(16.01) Latitude - Ohio 40.0110026513825

(62) Culvert N - Not Applicable

(17.01) Longitude - Ohio -82.717208806221

(98A) Border Bridge State Code

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024  
 (98B) Border Bridge State  
 Percent Responsibility  
 (99) Border Bridge Struct No.

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD  
 (67.01) General Appraisal 4 - Poor Condition (advanced deterioration)

ODOT District: District 05  
 Major Maint: 04 - City or Municipal Highway Agency  
 Routine Maint: 04 - City or Municipal Highway Agency  
 FIPS Code: 61112 - PATASKALA (LIC county)

**LIC-T0038-0315 (4563808)**

Facility Carried: COLUMBIA ROAD  
 Feature Inters: MUDDY FORK  
 Location: CITY OF PATASKALA 0.58 MILES E OF CR 26

Traffic On: 1 - Highway  
 Traffic Under: 5 - Waterway

Date Built: 07/01/1995  
 Rehab Date:  
 Insp. 04 - City or Municipal  
 Resp A: Highway Agency  
 Insp Resp B:

Inspector Prendeville,Brendan Inspection Date 10/30/2024 Reviewer Prendeville,Brendan

| Structure Type and Material | Load Rating and Posting |
|-----------------------------|-------------------------|
|-----------------------------|-------------------------|

|  |  |
|--|--|
| <p>(43) Main Structure Type</p> <p style="margin-left: 20px;">A. 3 - Steel</p> <p style="margin-left: 20px;">B. 02 - Stringer/Multi-beam or Girder</p> <p style="margin-left: 20px;">C. N- Not Applicable</p> <p>(44) Approach Type</p> <p style="margin-left: 20px;">A. 0 - Other</p> <p style="margin-left: 20px;">B. 00 - Other</p> <p style="margin-left: 20px;">C. N- Not Applicable</p> <p>(45) Number of Spans in Main Unit 1</p> <p>(46) Number of Approach Spans 0</p> <p>(107) Deck Structure Type 6 - Corrugated Steel</p> <p>(107.01)</p> <p>(108B) External Deck Protection 8 - Unknown</p> <p>(108C) Internal Deck Protection 8 - Unknown</p> <p>(422) Wearing Surface Date 01/01/1995</p> <p>(108A) Wearing Surface Type 6 - Bituminous</p> <p>(108A.01) N- Not Applicable</p> <p>(423) Wearing Surface Thickness 4.0 in</p> <p>(483) Protective Coating System Date 12/31/1995</p> | <p>(31) Design Load 5 - HS 20</p> <p>(63) Operating Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.</p> <p>(64) Operating Rating Factor 0.68</p> <p>(65) Inventory Rating Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.</p> <p>(66) Inventory Rating Factor 0.41</p> <p>(41) Structure Open, Posted, or Closed to Traffic P - Posted for Load</p> <p>(70) Bridge Posting 0 - More than 39.9% below legal loads</p> <p>(70.01) Date Posted 03/06/2024</p> <p>(70.02) Posted Sign Type 1- R12-H5 ("Weight Limit Single Unit", 5 trucks + Silhouette)</p> <p>(70.03) Posted Weight 15T, 19T, 20T, 22T, 22T, 34T Semi</p> |
|--|--|

|  | Appraisal |
|--|-----------|
|--|-----------|

|  |  |
|--|--|
|  | (67) Structural Evaluation 4 - Meets minimum tolerable limits    |
|  | (68) Deck Geometry 4 - Meets minimum tolerable limits            |
|  | (69) Underclearances, Horizontal and Vertical N - Not applicable |

| Age of Service |
|----------------|
|----------------|

|                                 |  |
|---------------------------------|--|
| (27) Year Built 1995            |  |
| (263) Date Built 07/01/1995     |  |
| (106) Year Reconstructed 0000   |  |
| (264) Major Reconstruction Date |  |
| (42) Type of Service            |  |
| On 1 - Highway                  |  |
| Under 5 - Waterway              |  |
| (28) Lanes On 02 Under 00       |  |
| (29) Average Daily Traffic      |  |

|  |  |
|--|--|
| (71) Waterway Adequacy 6 - Occasional Overtopping of Approaches                              |  |
| (72) Approach Roadway Alignment 7 - Better than present minimum criteria                     |  |
| (36) Traffic Safety Feature  |  |
| A. Bridge Railings: 0 - Does not meet acceptable standards/safety feature is required        |  |
| B. Transitions: 0 - Does not meet acceptable standards/safety feature is required            |  |
| C. Approach Guardrail 0 - Does not meet acceptable standards/safety feature is required      |  |
| D. Approach Guardrail Ends 0 - Does not meet acceptable standards/safety feature is required |  |
| (113) Scour Critical 5 - Scour within limits of footing or piles                             |  |

Inspector: Prendeville,Brendan

Inspection Date: 10/30/2024

Structure Number: 4563808

Facility Carried: COLUMBIA ROAD

(30) Year of Average Daily Traffic 2023

(109) Average Daily Truck Traffic Percentage 5

(19) Bypass Detour Length 4

ODOT District: District 05

LIC-T0038-0315\_(4563808)

Date Built: 07/01/1995

Major Maint: 04 - City or Municipal Highway Agency

Facility Carried: COLUMBIA ROAD

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: MUDDY FORK

Traffic Under: 5 - Waterway

Insp. 04 - City or Municipal

FIPS Code: 61112 - PATASKALA (LIC county)

Location: CITY OF PATASKALA

0.58 MILES E OF CR 26

Resp A: Highway Agency

Insp Resp B:

Inspector Prendeville,Brendan

Inspection Date 10/30/2024

Reviewer Prendeville,Brendan

| Classification                                    |  | Geometric Data                                      |  |
|---|--|---|--|
| (112) NBIS Bridge                                 | Yes                                      | (48) Longest Span                                   | 45.0 Ft.                                 |
| (104) Highway System of the Inventory Route       | 0 - Structure/Route is NOT on NHS        | (49) Structure Length                               | 47.0 Ft.                                 |
| (26) Functional Classification of Inventory Route | 19 - Urban - Local                       | (50A) Curb/Sidewalk Left Side - Width               | 0 Ft.                                    |
|   |  | (50B) Curb/Sidewalk Right Side - Width              | 0 Ft.                                    |
| (100) Strahnet Highway Designation                | Not a STRAHNET route                     | (51) Brdg Roadway Width Curb-to-Curb                | 24.0 Ft.                                 |
| (101) Parallel Structure Designation              | N - No parallel structure                | (52) Deck Width, Out-to-Out                         | 24.0 Ft.                                 |
| (102) Direction of Traffic                        | 2-way traffic                            | (32) Approach Roadway Width                         | 22.0 Ft.                                 |
| (103) Temporary Structure Design                  |  | (33) Bridge Median                                  | 0 - No median                            |
| (105) Federal Lands Highways                      | Not Applicable                           | (34) Skew   | 0 Deg.                                   |
| (110) Designated National Network                 | Inventory route not on network           | (35) Structure Flared                               | 0 - No flare                             |
| (20) Toll   | 3 - On Free Road                         | (10) Practical Maximum Vertical Clearance           | 99 Ft.                                   |
| (225) Routine Maintenance Responsibility          | A. 04 - City or Municipal Highway Agency | (53) Minimum Vertical Clearance Over Bridge Roadway | 99 Ft.                                   |
|   | B.                                       | (47) Total Horizontal Clearance (Inventory Route)   | 24 Ft.                                   |
| (21) Maintenance Responsibility                   | 04 - City or Municipal Highway Agency    | (54) Minimum Vertical Under Clearance               | B. 0 Ft.                                 |
| (21B) Major Maint. Responsibility B               | 04 - City or Municipal Highway Agency    |   | A. N - Feature not a highway or railroad |
| (221) Inspection Program Responsibility           | A. 04 - City or Municipal Highway Agency | (56) Minimum Lateral Under Clearance on Left        | 0 Ft.                                    |
|   | B.                                       | (55) Minimum Lateral Under Clearance on Right       | B. 0 Ft.                                 |
| (22) Owner  | 04 - City or Municipal Highway Agency    |   | A. N - Feature not a highway or railroad |
| (37) Historical Significance                      | 5-Not Eligible                           |   |  |

| Navigation Data                   |  | Proposed Improvements                     |      |
|-----------------------------------|--|---|------|
| (38) Navigation Control           | 0 - No navigation control on waterway (bridge permit not required) | (75) Type of Work                         |      |
| (39) Nav Vert Clearance           | 0.0 Ft.  | A.  |      |
| (40) Nav Horizontal Clearance     | 0.0 Ft.  | B.  |      |
| (111) Pier or Abutment Protection | 1 - Navigation protection not required                             | (76) Length of Structure Improvement (FT) | 0.0  |
| (116) Minimum Navigation          | 0.0 Ft.  | (94) Bridge Improvement Cost              | \$ 0 |

**Inspector:** Prendeville,Brendan

**Inspection Date:** 10/30/2024

Vertical Clearance, Vertical  
Lift Bridge

**Structure Number:** 4563808

**Facility Carried:** COLUMBIA ROAD

|  |      |
|--|------|
| (95) Roadway Improvement Cost              | \$ 0 |
| (96) Total Project Cost                    | \$ 0 |
| (97) Year of Improvement Cost Estimate     | 0000 |
| (114) Future Average Daily Traffic         | 829  |
| (115) Year of Future Average Daily Traffic | 2038 |

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

**Ohio Bridge Inventory**

|                |
|----------------|
| <b>General</b> |
|----------------|

|   |                                     |
|---|-------------------------------------|
| (203) Bridge Name (Dedicated Name)            |                                     |
| (204) Ohio Designated MPO                     | 07 - MORPC (Columbus)               |
| (205) Route Number Extension                  |                                     |
| (206) Inventory Preferred Route               | NP - Non Preferred Route            |
| (5.01) Priority System Code (Inventory Route) | N- Not Applicable                   |
| (213) NLF_ID Inventory Route                  | TLICTR00038**C                      |
| (218) Major Bridge                            | N - No                              |
| (220) Inventory Location                      | CITY OF PATASKALA                   |
| (226) Seismic Susceptibility                  | N - not applicable                  |
| (227) GASB                                    | N - No                              |
| (236) Future Traffic Factor                   | 1.388                               |
| (245) Aperture Cards Fabrication              | 2 - No                              |
| (246) Aperture Cards Original                 | 2 - No                              |
| (247) Aperture Cards Repair                   | 2 - No                              |
| (248) Original Construction Project Number    |                                     |
| (251) Standard Drawing Number                 |                                     |
| (252) Microfilm Reel Number                   |                                     |
| (261) Bridge Remarks                          |                                     |
|   |                                     |
| (265) Electric Line Present                   | N - Bridge does not carry a utility |
| (266) Gas Line Present                        | N - Bridge does not carry a utility |
| (269) Sanitary Sewer Present                  | N - Bridge does not carry a utility |
| (306) NBIS Bridge Length                      | 45                                  |
| (207) Route Under the Bridge                  | 99                                  |

|                                   |
|-----------------------------------|
| <b>Inventory Route Clearances</b> |
|-----------------------------------|

| <u>Inventory Route</u>             | <u>Cardinal</u> | <u>Non-Cardinal</u> |     |
|------------------------------------|-----------------|---------------------|-----|
| (336) Minimum Vertical Clearance   | 99              | 0                   | ft. |
| (335) Minimum Horizontal Clearance | 24              | 0                   | ft. |

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

**Load Rating**

|  |  |
|--|--|
| (717) 2F1 Operating Rating Factor (GVW 15 T)       | 1.261  |
| (720) 3F1 Operating Rating Factor (GVW 23 T)       | 0.856  |
| (723.01) 4F1 Operating Factor (GVW 27 T)           | 0.765  |
| (726.01) 5C1 Operating Rating Factor (GVW 40 T)    | 0.881  |
| (723.02) SU4 Operating Rating Factor (GVW 27 T)    | 0.765  |
| (726.02) SU5 Operating Rating Factor (GVW 31 T)    | 0.714  |
| (732.01) SU6 Operating Rating Factor (GVW 34.75 T) | 0.642  |
| (732.02) SU7 Operating Rating Factor (GVW 38.75 T) | 0.597  |
| (735) EV2 Operating Rating Factor (GVW 28.75 T)    | 0.772  |
| (738) EV3 Operating Rating Factor (GVW 43 T)       | 0.590  |
| (734) Ohio Percent Legal                           | 60   |
| (705) Load Rater First Name                        | JAI  |
| (706) Load Rater Last Name                         | LEE  |
| (707) Load Rater PE Number                         | 70217  |
| (704) Load Rating Date                             | 09/11/2024   |
| (708) Load Rating Software                         | 3 - AASHTO BrR (VIRTIS)                                |
| (709) Rating Source                                | 2- Field measured information for load rating analysis |

**Inspection Access**

|  |  |
|--|--|
| (92.02) Snooper Inspection Traffic Control | Blank  |
| (92.03) Snooper Inspection Est. Crew Hours | 0  |
| (459) Inspection Access                    | N - The bridge does not include this feature |

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

**Deck & Approach**

|  |          |  |              |
|--|----------|--|--------------|
| (224) Temporary Subdecking                   |          | N - No   |              |
| (404) Approach Slab Type                     |          | 3 - None   |              |
| (405) Approach Slab Length                   |          | 0  |              |
|  | 1        | 2  | 3            |
| (406) Bridge Median Type                     | N - None | N - Non Barrier  | N - No Joint |
| (407) Bridge Railing Type                    |          | 7 - Steel Guardrail on Steel, Concrete or Timber Posts |              |
| (408) Composite Deck Code                    |          | N - Non-composite Construction                         |              |
| (419) Expansion Joint with Trough Retrofit 2 |          | N - No   |              |
| (421) Joint Trough (Y/N)                     |          | N - No   |              |
| (431) Fence                                  |          | N - The bridge does not include this feature           |              |
| (432) Fence Height on Bridge                 |          | 0  |              |
| (433) Glare Screen                           |          | N - The bridge does not include this feature           |              |
| (434) Noise Barrier Walls                    |          | N - The bridge does not have Noise Barrier Walls       |              |
| (424) Deck Area                              |          | 1128   |              |
| (427) Left Sidewalk/Curb Material            |          | N - None   |              |
| (428) Left Sidewalk/Curb Type                |          | N - None or N/A (RR, Pedestrian, etc.)                 |              |
| (429) Right Sidewalk/Curb Material           |          | N - None   |              |
| (430) Right Sidewalk/Curb Type               |          | N - None or N/A (RR, Pedestrian, etc.)                 |              |

**Substructure**

|   |                                     |
|---|-------------------------------------|
| (526) Abutment Forward Type                     | 5 - Stub Gravity                    |
| (527) Abutment Forward Material Type            | 2 - Concrete                        |
| <b>(528) Abutment Forward - Foundation Type</b> | <b>4 - Spread Footing (on soil)</b> |
| (531) Abutment Rear Type                        | 5 - Stub Gravity                    |
| (532) Abutment Rear Material Type               | 2 - Concrete                        |
| <b>(533) Abutment Rear - Foundation Type</b>    | <b>4 - Spread Footing (on Soil)</b> |
| (534) Pier 1 (Predominate) Type                 | N - None                            |
| (535) Pier 1 (Predominate) Material             | N - None                            |
| (536) Pier 1 Type - Foundation Type             | N - None (Such as most Culverts)    |
| (537) Pier 2 Type                               | N - None                            |
| (538) Pier 2 Material                           | N - None                            |
| (539) Pier 2 Type - Foundation Type             | N - None (Such as most Culverts)    |
| (547) Slope Protection Type                     | N - None                            |

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

**Superstructure**

|  |  |
|--|--|
| (711) Live Load Response                     | S - Satisfactory   |
| (468) Hinges/Pins/Hangers Type               | N - Not Applicable (structures with no hinges)                       |
| (409) Deck Drainage Type                     | 1 - Over the side (without drip strip)                               |
| (411) Deck Concrete Type                     | N - None or Not Applicable   |
|  | A B C  |
| (414) Expansion Joint Type                   | 2 - Sliding Metal Plate Angle N - None N - None                      |
| (301) Horizontal Curve Degree                | 0  |
| (453) Bearing Device 1, Type                 | A - Sliding (Other)  |
| (455) Bearing Device 2, Type                 | N - None   |
| (465) Framing Type                           | 4 - Straight Beams/Girders   |
| (466) Haunched Girder                        | N - Bridge does not contain a haunched girder                        |
| (467) Haunched Girder Depth                  | 0  |
| (474) Main Structure System                  | N - Not Applicable (i.e. Culvert, Beam, Slab, etc.)                  |
| (475) Main Member Type                       | 1 - Rolled Steel   |
| (482) Protective Coating System Type         | N - None or Not Applicable   |
| (487) Structural Member Steel Type           | U - Unknown Steel - Plans Available and Steel Type is Not Identified |
| (498) Protective Coating System Surface Area | 0  |
| (499) Structural Steel Paint                 | N - None (i.e. steel = A588, unpainted)                              |
| (478) Post Tensioned Main Member Code        | N - Bridge is not Post Tensioned                                     |

**Culvert and Waterway**

|                                      |  |
|--------------------------------------|--|
| (575) Culvert Type                   | N - Not a Culvert or Rigid Frame               |
| (578) Culvert Length Inlet_to_Outlet | 0  |
| (580) Fill Depth Over Culvert        | 0  |
| (651) Scenic River                   | N - Waterway is not classified as Scenic River |
| (587) Rise                           |  |
| (588) Shape                          |  |
| (655) Channel Protection Type        | N - None                                       |
| (663) Stream Velocity                |  |
| (672) pH                             |  |

**Inspector:** Prendeville,Brendan

**Structure Number:** 4563808

**Inspection Date:** 10/30/2024

**Facility Carried:** COLUMBIA ROAD

ODOT District: District 05

**LIC-T0038-0315 \_(4563808)**

Date Built: 07/01/1995

Major Maint: 04 - City or Municipal Highway Agency

Facility Carried: COLUMBIA ROAD

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: MUDDY FORK

Traffic Under: 5 - Waterway

Insp. 04 - City or Municipal  
Resp A: Highway Agency

FIPS Code: 61112 - PATASKALA (LIC county)

Location: CITY OF PATASKALA

0.58 MILES E OF CR 26

Insp  
Resp B:

Inspector

Prendeville,Brendan

Inspection Date

10/30/2024

Reviewer

Prendeville,Brendan

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

### **Deck**

#### **Floor**

Corrugated metal decking has large amount of heavy rust with heavy pitting and moderate section loss.

#### **Railing**

Isolated areas of minor impact damage along both rails, worst at the southeast corner. The top transverse weld between the post and connection strut is broken.

Bridge railing has a large amount of heavy rusting with moderate pitting and moderate section loss on the rail posts. Horizontal steel member connecting fascia beam to railing post has heavy corrosion.

#### **Expansion Joint**

Sliding plate joint has been paved over.

### **Approach**

#### **Wearing Surface**

Bridge wearing surface has new chip seal (2021). Transverse cracks present at both bridge limits. Visible wearing surface settlement at bridge limits.

## **Inspector Comments - General Appraisal**

### **Superstructure**

#### **Beams**

**Inspector:** Prendeville, Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

Beams are numbered from north to south.

Laminating corrosion for each beam end was removed with a hammer. Beams have a large amount of heavy laminating corrosion with moderate section loss. Beam ends have up to 50% typical loss of section for up to 6 ft length in the web and flanges. Beams exhibit 1/8" section loss to the bottom flange (3/4" nominal) exists sporadically.

\*\*\* 2/21/2024 Special Inspection indicated large corrosion holes in beam ends. Repair plates (for shear load path) installed on 3/6/2024 as a result. The repair plates are 30" long x 16" tall x 3/8" thick are bolted to the beam end webs of beams 2 through 7. Load rating and Steel Condition Rating changed due to this special inspection \*\*\*\*

### **Diaphragms**

Diaphragms have a large amount of heaving rust with minor to moderate pitting and section loss with isolated areas of corrosion holes.

### **Bearings**

The bearings have heavy rusting with isolated section loss. Bearings at the east abutment are entirely covered with debris.

## **Substructure**

### **Abutment Walls**

The east abutment has a moderate amount of minor spalling and honeycombing without exposed rebar.

The majority of the abutment seats are covered with soil and debris. Evidence of moderate joint leakage at both abutments.

### **Culvert**

**Inspector:** Prendeville,Brendan  
**Inspection Date:** 10/30/2024

**Structure Number:** 4563808  
**Facility Carried:** COLUMBIA ROAD

## **Inspector Comments - Waterway**

### **Waterway Adequacy**

#### **Hydraulic Opening**

The opening appears insufficient as evidenced by signs of overtopping of abutment seats. There is a large amount of debris on the seats and hung up in the beams (no debris present during the 2024 inspection). No evidence of undermining.

### **Channel**

#### **Protection**

Channel banks are cut vertically with various exposed root systems.

An established sediment bank has developed at the NE corner of the abutment. There is no slope protection at the abutments. Embankments consist of vegetated slopes.

#### **Alignment**

Channel flows North to South.

### **Scour Critical**

**Inspector:** Prendeville,Brendan

**Structure Number:** 4563808

**Inspection Date:** 10/30/2024

**Facility Carried:** COLUMBIA ROAD

**LIC-T0038-0315 \_(4563808)**

ODOT District: District 05

Date Built: 07/01/1995

Major Maint: 04 - City or Municipal Highway Agency

Facility Carried: COLUMBIA ROAD

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: MUDDY FORK

Traffic Under: 5 - Waterway

Insp. 04 - City or Municipal  
Resp A: Highway Agency

FIPS Code: 61112 - PATASKALA (LIC county)

Location: CITY OF PATASKALA 0.58 MILES E OF CR 26

Insp  
Resp B:

Inspector Prendeville,Brendan Inspection Date 10/30/2024 Reviewer Prendeville,Brendan

**Summary Recommendations**

Beware of the failed web at the SE corner railing post, recommend repair for vehicular safety. Emailed City 11-22-23 to inform of recommendation.

Consider programming bridge for superstructure replacement in the next 5 years.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 1 Condition

Description Looking west at the load posting sign at the east approach.



PHOTO 2 Condition

Description Looking east at the load posting sign at the west approach.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 3 Condition  
Description End view looking east.



PHOTO 4 Condition  
Description End view looking west.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 5 Elevation

Description Looking northeast at the bridge elevation, south fascia.



PHOTO 6 Elevation

Description Looking southeast at the bridge elevation, north fascia.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 7 Condition

Description Looking north at the upstream channel.



PHOTO 8 Condition

Description Looking south at the downstream channel.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 9 Condition

Description Looking west at typical substructure, west abutment.



PHOTO 10 Condition

Description Looking west at typical superstructure, underside of bridge. Note: metal SIP forms along the underside of the bridge deck.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 11 Condition

Description Looking north at the joint over the west abutment. Note: the joints at both abutments have been paved over.



PHOTO 12 Condition

Description Looking northeast at typical wearing surface.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 13 Condition

Description Looking north at typical bridge railing, north rail.



PHOTO 14 Condition

Description Looking southwest at the typical backside of the bridge railing, north rail. Note: typical surface corrosion with pitting and minor section loss to the rail posts.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 15 Condition

Description Looking southwest at the southeast bridge rail post. Note: impact damage has broken the transverse weld between the rail post and connection strut.



PHOTO 16 Condition

Description Looking west at the southeast bridge railing impact damage.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 17 Condition

Description Looking north at the exterior face of beam 8. Note: typical laminating corrosion along both faces of all beams.



PHOTO 18 Condition

Description Looking west at the metal SIP forms between beams 1 and 2 near the east abutment. Note: typical surface corrosion with minor section loss.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

## Pictures



PHOTO 19 Condition

Description Looking east at the east abutment breastwall under beam 7. Note: spalling under the beam bearing.



PHOTO 20 Condition

Description Looking southwest at the end of beam 6 at the west abutment. Note: steel plates have been bolted to the beam ends of beams 2 through 7 at the west abutment.

Inspector: Brendan Prendeville

Structure Number: 4563808

Inspection Date: 10/30/2024

Facility Carried: COLUMBIA ROAD

### Bridge Inspection Report

### Pictures



PHOTO 21 Condition

Description Looking west at the diaphragm between beams 3 and 4 at the west abutment. Note: corrosion hole at the bottom of the web