

Inspector: Gerstenslager,Michael  
 Inspection Date: 05/09/2023

Structure Number: 1800302  
 Facility Carried: SR 3

## Ohio Bridge Inspection Summary Report

**CUY-00003-0118 (1800302)**

2: District 57008 - NORTH ROYALTON (CUY county)  
 District 12

5A: Inventory Route 1 00003

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 12

7: Facility On SR 3  
 6: Feature Ints STREAM 1.56 MI. S. OF 82  
 9: Location .6 MI N CADY RD  
 Lat, Lon 41.293825 , -81.744497

Condition	
<b>58: Deck</b>	<b>N - Not Applicable</b>
58.01 Wearing Surface	N - Not Applicable
58.02 Joint	N - Not Applicable
<b>59: Superstructure</b>	<b>N - Not Applicable</b>
59.01 Paint & PCS	N - Not Applicable
<b>60: Substructure</b>	<b>N - Not Applicable</b>
<b>61: Channel</b>	<b>5</b>
61.01 Scour	<b>6 - Satisfactory</b>
<b>62: Culverts</b>	<b>4 - Large spalls, heavy scaling, wide cracks</b>
<b>67.01 GA</b>	<b>4</b>

Structure Type	
43: Bridge Type	3 - Steel
	19 - Culvert (includes frame culverts)
	N - Not Applicable
45: Spans Main / Approach	1 / 0
107: Deck Type	N - Not Applicable
408: Composite Deck	X - Not Applicable
414A Joint Type 1	N - None
414B: Joint Type 2	N - None
108A: Wearing Surface	N - NA
	N - Not Applicable

Appraisal	
Sufficiency Rating	71.6 SD/FO 1 - SD
36: Rail, Tr, Gd, Term Std	N N 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	8 - Stable for scour conditions
71: Waterway Adequacy	8 - Bridge Above Approaches

422: WS Date	
423: WS Thick (in)	0.0
482: Protective Coating	N - None or Not Applicable
483: PCS Date	
453: Bearing Type 1	N - None
455: Bearing Type 2	N - None
528: Foundn: Abut Fwd	N - None (Such as most Culverts)
533: Foundn: Abut Rear	N - None (such as most Culverts)
536: Foundn: Pier 1	N - None (Such as most Culverts)
539: Foundn: Pier 2	N - None (Such as most Culverts)

Geometric	
48: Max Span Length (ft)	12.5
49: Structure Length (ft)	12.5
52: Deck Width, Out-To-Out (ft)	0.0
424: Deck Area (sf)	300
32: Appr Roadway Width (ft)	24.0
51: Road Width, Curb-Curb (ft)	0.0
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	30
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	0
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	124

Age and Service	
27: Year Built/ 106 Rehab	1961 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	2
29: ADT	6977
109: % Trucks (%)	7

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	07/01/2003
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections		
	Months	
90: Routine Insp.	12	05/09/2023
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 Gerstenslager,Michael

**Inspector:** Gerstenslager, Michael  
**Inspection Date:** 05/09/2023

**Structure Number:** 1800302  
**Facility Carried:** SR 3

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>240-Steel Culvert</b>	3 - Mod.	124	ft.	0	46	78	0
<p>CS2- Areas of missing bituminous coating on interior and exterior.</p> <p>CS3- Some areas of heavy section loss. Rusting section loss of some nuts and bolts. Some flattening between 11:00 and 1:00 (when facing east) starting 20' from outlet to 2/3 of its length in. Sag to crown under road. Water infiltration at some seams.</p>							
<b>835-Culvert End Treatment</b>	3 - Mod.	2	each	0	1	1	0
<p>CS2- All walls are now effectively buried by sediment.</p> <p>CS3- Spalls and cracks to both inlet walls (NE wall is thru cracked)</p>							
<b>845-Roadway Over Structure</b>	3 - Mod.	1	each	0	1	0	0
<p>CS 2 - Several cracks to asphalt pavement.</p>							

**Inspector:** Gerstenslager,Michael

**Structure Number:** 1800302

**Inspection Date:** 05/09/2023

**Facility Carried:** SR 3

ODOT District: District 12

**CUY-00003-0118\_(1800302)**

Date Built: 07/01/1961

Major Maint: 01 - State Highway Agency

Facility Carried: SR 3

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: STREAM 1.56 MI. S. OF 82

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 57008 - NORTH ROYALTON (CUY county)

Location: DISTRICT 12

.6 MI N CADY RD

Resp A:

Inspector

Gerstenslager,Michael

Inspection Date 05/09/2023

Reviewer Seif,Youssef

Insp

Resp B:

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

### **Deck**

### **Approach**

#### **Approach Wearing Surface (EA)**

Some cracks.

#### **Approach Guardrail (EA)**

1 west post completely severed. Other post rot.

#### **Embankment (EA)**

Inlet drain at S.E embankment. Retaining wall to S.E embankment installed in 2021.

## **Inspector Comments - General Appraisal**

### **Superstructure**

### **Substructure**

### **Culvert**

#### **Culvert Scour (Ea)**

## **Inspector Comments - Waterway**

### **Waterway Adequacy**

### **Channel**

#### **Channel Alignment (LF)**

**Inspector:** Gerstenslager, Michael

**Structure Number:** 1800302

**Inspection Date:** 05/09/2023

**Facility Carried:** SR 3

Vegetation growth at outlet causes stream to fork and move south.

**Channel Hydraulic Opening (EA)**

50% of inlet and over 50% of outlet is blocked by sediment buildup. As little as 30" minimum clearance in culvert in places. Sediment in culvert is 3'+ deep, culvert design vertical clearance is 7'-11" along centerline.

**Scour Critical**

**Inspector:** Michael Gerstenslager

**Structure Number:** 1800302

**Inspection Date:** 05/09/2023

**Facility Carried:** SR 3

**Bridge Inspection Report**

**Pictures**