

# Ohio Bridge Inspection Summary Report

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

2: District 57008 - NORTH ROYALTON (CUY county)  
 ict  
 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	Structure Type
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**58: Deck** N - Not Applicable  
 58.01 Wearing Surface N - Not Applicable  
 58.02 Joint N - Not Applicable  
**59: Superstructure** N - Not Applicable  
 59.01 Paint & PCS N - Not Applicable  
**60: Substructure** N - Not Applicable  
**61: Channel** 5  
 61.01 Scour 6 - Satisfactory  
**62: Culverts** 4 - Large spalls, heavy scaling, wide cracks  
**67.01 GA** 4

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	422: WS Date
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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

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	Age and Service
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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	Inspections
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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	Inspections
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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.

90: Routine Insp.	Months	05/09/2022
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	Persanyi, Andrea	

Inspector: Andrea Persanyi  
 Inspection Date: 05/09/2022

Structure Number: 1800302  
 Facility Carried: SR 3

**Bridge Inspection Report**

**Element Inspection**

	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
	CS2- Areas of missing bituminous coating on interior and exterior. 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 in. Sag to crown under road. Water infiltration at some seams.						
<b>835 - Culvert End Treatment</b>	3 - Mod.	2	each	0	1	1	0
	CS2- All walls are now effectively buried by sediment. CS3- Spalls and cracks to both inlets walls (NE wall is thru cracked)						
<b>845 - Roadway Over Structure</b>	3 - Mod.	1	each	0	1	0	0
	CS 2 - Several cracks to asphalt pavement.						

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

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:

Insp

Resp B:

Inspector

Persanyi,Andrea

Inspection Date 05/09/2022

Reviewer Seif,Youssef

### **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)**

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:** Andrea Persanyi  
**Inspection Date:** 05/09/2022

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

**Bridge Inspection Report**

**Pictures**