

Inspector: Gerstenslager,Michael  
 Inspection Date: 10/03/2022

Structure Number: 1800574  
 Facility Carried: USR 6

Bridge Inspection Report

**Ohio Bridge Inspection Summary Report**

**CUY-00006-0559 (1800574)**

2: District 68056 - ROCKY RIVER (CUY county)  
 District 12

5A: Inventory Route 1 00006

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 USR 6  
 6: Feature Ints STREAM 1.73 MI E. OF 252  
 9: Location 2.02 MI E JCT SR 252  
 Lat, Lon 41.4815638817282 , -81.8667019562483

**Condition**

**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 6**  
 61.01 Scour **6 - Satisfactory**  
**62: Culverts 4 - Large spalls, heavy scaling, wide cracks**  
**67.01 GA 4**

**Structure Type**

43: Bridge Type 3 - Steel  
 19 - Culvert (includes frame culverts)  
 N - Not Applicable  
 45: Spans Main / Approach 1 / 1  
 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 73.0 SD/FO 1 - SD  
 36: Rail, Tr, Gd, Term Std N N N N  
 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) 10.0  
 49: Structure Length (ft) 19.5  
 52: Deck Width, Out-To-Out (ft) 0.0  
 424: Deck Area (sf) 819  
 32: Appr Roadway Width (ft) 42.0  
 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) 0  
 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) 100

**Age and Service**

27: Year Built/ 106 Rehab 1900 / 0000  
 42A: Service On 5 - Highway-pedestrian  
 42B: Service Under 5 - Waterway  
 28A: Lanes on 02  
 28B: Lanes Under 00  
 19: Bypass Length 0  
 29: ADT 10749  
 109: % Trucks (%) 3

**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 07/01/2010  
 63: Analysis Method 6 - Load Factor (LF) rating reported by

**Inspections**

90: Routine Insp. 12 Months 10/03/2022  
 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

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rating factor (RF) method using MS18  
loading.

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>240-Steel Culvert</b>	3 - Mod.	90	ft.	0	0	60	30
<p>CMP has a shotcrete coating.</p> <p>CS2 - Evidence of infiltration at seams to west cell. Leaching areas with efflorescence &amp; some rust stains in west cell.</p> <p>CS3 - Areas of erosion to shotcrete exposing wire mesh in west cell.</p> <p>CS4 - West cell has rusted thru holes as long as 34" &amp; as wide as 10" located throughout invert (probing indicates depths from 4"-10" below areas of some invert thru holes). This is located under the roadway. Fill is less than 10'. Erosion of invert has caused 5' of 360° rebar exposure.</p>							
<b>241-Reinforced Concrete Culvert</b>	3 - Mod.	100	ft.	20	60	20	0
<p>Concrete repairs to walls &amp; ceiling in east cell. Three 12" diameter constructed thru holes in ceiling. North hole is sealed with a severely decomposed wood bulkhead &amp; the south holes are thru to fill.</p> <p>CS2 - Leaching cracks to walls &amp; ceiling of east cell, some wall cracks are full height. Honeycombed areas &amp; stalactites in ceiling.</p> <p>CS3 - A few ceiling spalls &amp; delams to east cell. South of repaired location: deep spalls in walls &amp; ceiling with 1' of 360° rebar exposure &amp; 4 rust severed rebar in east wall.</p>							
<b>835-Culvert End Treatment</b>	3 - Mod.	2	each	2	0	0	0
<p>A few cracks, some leaching. Spalls at bottom of west cell inlet.</p>							
<b>845-Roadway Over Structure</b>	3 - Mod.	1	each	0	1	0	0
<p>CS2 - Many sealed cracks.</p>							

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ODOT District: District 12

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Date Built: 07/01/1900

Major Maint: 01 - State Highway Agency

Facility Carried: USR 6

Traffic On: 5 - Highway-pedestrian

Rehab Date:

Routine Maint: 04 - City or Municipal Highway

Feature Inters: STREAM 1.73 MI E. OF 252

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 68056 - ROCKY RIVER (CUY county)

Location: DISTRICT 12

2.02 MI E JCT SR 252

Resp A:

Insp

Resp B:

Inspector

Gerstenslager,Michael

Inspection Date 10/03/2022

Reviewer Seif,Youssef

**Inspector Comments - Deck and Approach**

**Deck**

**Approach**

**Approach Wearing Surface**

Sealed cracks.

**Approach Embankment**

Slope has slid over the top of west cell and down between the east & west cells. Minor erosion around east cell.

**Inspector Comments - General Appraisal**

**Superstructure**

**Substructure**

**Culvert**

**Culvert Scour**

5' scour hole near outlet of west cell with as much as 24" of toe wall exposed to flowing water (no undermining). 3' scour hole at outlet of east cell with as much as 18" (all) of toe wall exposed to flowing water. Note: east cell outlet toe wall is on rock.

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel Hydraulic Opening**

Note: repaired section in east cell reduces opening.

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**Channel**

**Channel Protection**

Some areas of erosion around outlet headwall.

**Scour Critical**

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**Pictures**