

Ohio Bridge Inspection Summary Report

CUY-00252-0370 (1810464)

2: District 56882 - NORTH OLMSTED (CUY county)
 12

5A: Inventory Route 1 00252

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 252
 6: Feature Ints STREAM S BUTTERNUT RIDGE
 9: Location 0.64 MI S I 480
 Lat, Lon 41.402622 , -81.904708

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 **7**
61.01 Scour **5 - Fair or problems noted but they are stable or unchanged scour (Spread: no undermining, Deep: A couple piles may be visible)**
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	Inspection
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Sufficiency Rating 58.0 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	Age and Service
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48: Max Span Length (ft) 14.0
 49: Structure Length (ft) 14.0
 52: Deck Width, Out-To-Out (ft) 0.0
 424: Deck Area (sf) 1064
 32: Appr Roadway Width (ft) 76.0
 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) 54
 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) 344

Age and Service	Inspections
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27: Year Built/ 106 Rehab 1985 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 04
 28B: Lanes Under 00
 19: Bypass Length 0
 29: ADT 15888
 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.

Months

90: Routine Insp. 12 04/05/2022
 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 Banaszak, Ken

Inspector: Ken Banaszak
 Inspection Date: 04/05/2022

Structure Number: 1810464
 Facility Carried: SR 252

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
240 - Steel Culvert	3 - Mod.	340	ft.	0	70	240	30
	CS 2 - Areas of surface rust. CS 3 - Heavier section loss, concentrated mostly at invert. CS 4 - Many rusted through holes to 5:00 and 7:00 seams. Holes range from 1/2"-3". Sections of multiple holes under both roadway and embankment areas.						
835 - Culvert End Treatment	3 - Mod.	2	each	1	1	0	0
	CS 2 - Spall to North side under CMP at inlet. North half of Inlet wall tipped outward as much as 2".						
845 - Roadway Over Structure	3 - Mod.	1	each	0	1	0	0
	CS 2 - Cracks, some sealed.						

ODOT District: District 12

CUY-00252-0370_(1810464)

Date Built: 07/01/1985

Major Maint: 01 - State Highway Agency

Facility Carried: SR 252

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway
Agency

Feature Inters: STREAM S BUTTERNUT
RIDGE

Traffic Under: 5 - Waterway

Insp: 01 - State Highway Agency

FIPS Code: 56882 - NORTH OLMSTED (CUY county)

Location: DISTRICT 12

0.64 MI S I 480

Resp A:

Insp

Resp B:

Inspector

Banaszak, Ken

Inspection Date 04/05/2022

Reviewer Seif, Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Embankment (EA)

Large erosion rut down southeast (outlet) embankment, rut is approximately 12' wide and 10' deep. Areas of shale erosion to northeast embankment 25' to 75' from outlet. Minor erosion behind both inlet headwalls. Erosion behind south side of inlet concrete channel protection.

Approach Guardrail (EA)

Some post rot. Collision damage to East rail.

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Culvert Seams (EA)

A few nuts & bolts missing thru out, a few misaligned nuts, areas of minor water infiltration.

Culvert Scour (EA)

As much as 23" vertical face of outlet concrete channel protection exposed with no undermining (on rock). Start of undermining to through holes in invert.

Outlet protection extends 5' from toe wall.

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel Protection (LF)

South-West corner has embankment scour. Several wide cracks to protection on inlet side.

Scour Critical

Inspector: Ken Banaszak
Inspection Date: 04/05/2022

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Pictures