

Ohio Bridge Inspection Summary Report

GEA-00044-1493 (2800365)

2: District 12 13554 - CHARDON (GEA county)
 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

5A: Inventory Route 1 00044
 7: Facility On SR 44
 6: Feature Ints STREAM 1.66 MI S. US6
 9: Location 2.5 MI N USR322

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 7 - Good
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 2 / 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 70.7 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 7 - Slight Chance of Overtopping Bridge

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 0 - Other

Geometric

48: Max Span Length (ft) 5.0
 49: Structure Length (ft) 10.0
 52: Deck Width, Out-To-Out (ft) 0.0
 424: Deck Area (sf) 400
 32: Appr Roadway Width (ft) 40.0
 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) 15
 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) 10

Age and Service

27: Year Built/ 106 Rehab 1967 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 02
 28B: Lanes Under 00
 19: Bypass Length 3
 29: ADT 6657
 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 07/01/2002
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections

90: Routine Insp. *Months* 12 04/27/2021
 92A: FCM Insp. N
 92B: Dive Insp. N
 92C: Special Insp. N
 92D: UBIT Insp. N
 92E: Drone Insp.
 Inspector Gerstenslager,Michael

Inspector: Michael Gerstenslager

Structure Number: 2800365

Inspection Date: 04/27/2021

Facility Carried: SR 44

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.	130	ft.	0	0	130	0
	Heavy rusting section loss to both pipes along waterline and areas between 3 and 9 o'clock (CS 3). 8" diameter bulge in South pipe at 3:00 below West guardrail (CS 2). 8" diameter bulge in North pipe at 9:00 below West guardrail (CS 2).						
835 - Culvert End Treatment	3 - Mod.	2	each	0	2	0	0
	Both headwalls are through cracked above centerline of each pipe (CS 2). Other cracks and minor spalls (CS 2).						
845 - Roadway Over Structure	3 - Mod.	1	each	1	0	0	0

ODOT District: 12

GEA-00044-1493_(2800365)

Date Built: 07/01/1967

Major Maint: 01 - State Highway Agency

Facility Carried: SR 44

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 04 - City or Municipal Highway
Agency

Feature Inters: STREAM 1.66 MI S. US6

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 13554 - CHARDON (GEA county)

Location: DISTRICT 12

2.5 MI N USR322

Resp A:

Insp

Resp B:

Inspector

Gerstenslager,Michael

Inspection Date 04/27/2021

Reviewer Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

New

Approach Guardrail

New

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Culvert General (LF)

90% of bituminous coating missing from invert.

Culvert Shape

Minor flattening to south pipe near inlet.

Culvert Seams

Areas of rusting section loss to CMP & fasteners. Gaps as wide as 1/2" in some seams.

Inspector Comments - Waterway

Waterway Adequacy

Channel

Channel Hydraulic Opening

As much as 2' of sediment in each pipe. Vegetation growing at inlet & outlet blocks approx. 10%.

Scour Critical