

Ohio Bridge Inspection Summary Report

GEA-00322-0863 (2801388)

2: District 53340 - MUNSON TWP (GEA county)
 ict
 12

5A: Inventory Route 1 00322

21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 01 - State Highway Agency /
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location DISTRICT 12

7: Facility On USR 322
 6: Feature Ints BEAVER CRK 1.77 MI. W 44
 9: Location 1 MI E AUBURN RD
 Lat, Lon 41.528942 , -81.227919

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 **7 - Good**
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 3 / 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 71.1 SD/FO 1 - SD
 36: Rail, Tr, Gd, Term Std N N 1 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 0 - Other

Geometric

48: Max Span Length (ft) 6.0
 49: Structure Length (ft) 24.0
 52: Deck Width, Out-To-Out (ft) 0.0
 424: Deck Area (sf) 1080
 32: Appr Roadway Width (ft) 45.0
 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) 72

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 9238
 109: % Trucks (%) 4

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

	<i>Months</i>	
90: Routine Insp.	12	12/02/2021
92A: FCM Insp.	N 0	
92B: Dive Insp.	Y 60	06/11/2019
92C: Special Insp.	N	
92D: UBIT Insp.	N 0	
92E: Drone Insp.		
Inspector	Banaszak, Ken	

Inspector: Ken Banaszak
 Inspection Date: 12/02/2021

Structure Number: 2801388
 Facility Carried: USR 322

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.	216	ft.	0	73	142	1
<p>Note: Locations called out when facing south. 2019 dive performed by Consor, report in SFN folder</p> <p>Pipe 1 - Moderate to heavy surface corrosion was observed throughout Pipe 1 at the waterline and bolted connections. There is an 8" H x 6" W x 3" D deflection at the 2 o'clock position looking North to South, 63' from the North entrance. Evidence of water infiltration at seams. Some rusting section loss at seams. Minor cusping at some seams.</p> <p>Pipe 2 - Light to heavy corrosion was observed throughout Pipe 2 at the waterline and bolted connections. The previously noted backed out bolts were not observed during this inspection. There is a 3" H deflection at the 1 o'clock position, starting 8'-6" from the North entrance and extends approximate 8' North to South at the bolted connection. Evidence of water infiltration at seams. Some rusting section loss at seams. Minor cusping at some seams.</p> <p>Pipe 3 - Light to heavy corrosion was observed throughout Pipe 3 at the waterline and bolted connections. The previously noted missing bolt was not located during this inspection. There is an 8" H x 1' W x 7" D deflection located at the 1 o'clock position, looking North to South, located 58' from the North entrance. Evidence of water infiltration at seams. Some rusting section loss at seams. Minor cusping at some seams. Small hole at 12 o'clock near inlet, not under cover.</p> <p>-</p>							
835 - Culvert End Treatment	3 - Mod.	0	each	0	0	0	0
<p>This structure has no headwalls.</p>							
845 - Roadway Over Structure	3 - Mod.	1	each	0	1	0	0
<p>CS2 - Sealed cracks, mainly to W/B berm. Few transverse sealed cracks.</p>							

ODOT District: District 12

GEA-00322-0863_(2801388)

Date Built: 07/01/1961

Major Maint: 01 - State Highway Agency

Facility Carried: USR 322

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: BEAVER CRK 1.77 MI. W 44

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 53340 - MUNSON TWP (GEA county)

Location: DISTRICT 12

1 MI E AUBURN RD

Resp A:

Insp

Resp B:

Inspector

Banaszak, Ken

Inspection Date 12/02/2021

Reviewer Seif, Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

A few cracks, small broken up area in WB lane.

Approach Embankment

Minor erosion around inlet and outlet. Slight erosion hole at north end between west cell and middle cell.

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel Hydraulic Opening

6" clearance between water and crown of cells at outlet, 4" at inlet. Vegetation and small branches block as much as 5% at inlet. Bottom material in all cells consists of 1" to 3" deep soft silt.

Channel

Note: Structure will have dive inspection in 2024

Scour Critical