

Inspector: Keener,Walter
 Inspection Date: 12/04/2023

Structure Number: 8502129
 Facility Carried: NEW USR 30

Ohio Bridge Inspection Summary Report

WAY-00030-1484 (8502129)

2: District 24136 - EAST UNION TWP (WAY county)
 District 03

5A: Inventory Route 1 00030

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 03

7: Facility On NEW USR 30
 6: Feature Ints TRIB.OF APPLE CREEK
 9: Location 0.67 MI.W.OF C.R.44
 Lat, Lon 40.807080 ,-81.856324

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	7
61.01 Scour	6 - Satisfactory
62: Culverts	5 - Moderate to major deterioration
67.01 GA	5

Structure Type	
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	N - Non-composite Construction
414A Joint Type 1	N - None
414B: Joint Type 2	N - None
108A: Wearing Surface	N - NA
	N- Not Applicable
422: WS Date	07/01/2005
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)

Appraisal	
Sufficiency Rating	71.3 SD/FO 0 - ND
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

Geometric	
48: Max Span Length (ft)	12.0
49: Structure Length (ft)	12.0
52: Deck Width, Out-To-Out (ft)	0.0
424: Deck Area (sf)	456
32: Appr Roadway Width (ft)	38.0
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)	8
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)	225

Age and Service	
27: Year Built/ 106 Rehab	2005 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	04
28B: Lanes Under	00
19: Bypass Length	1
29: ADT	19729
109: % Trucks (%)	17

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 rating factor (RF) method using MS18 loading.

Inspections		
	Months	
90: Routine Insp.	12	12/04/2023
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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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
240-Steel Culvert	3 - Mod.	225	ft.	133	41	51	0
	CS2- 2020: Light rust developing throughout entire pipe (one tiny area w/ effl.). Minor silt in LT-half w/ 6"-10"+/- standing water. CS3- 2021: 30% of pipe has scattered rust holes & perforations throughout complete pipe ('23-photos). 2016: Scattered rust holes / perforations in invert (Visible in RT-half of pipe - low water, '23-photos) plus a couple small areas bulging upward. Unevenness throughout w/ hollow sounding areas (top & bottom) entire length w/ gaps @ joints & filter fabric visible.						
835-Culvert End Treatment	3 - Mod.	2	each	1	1	0	0
	CS2- 2023: Piping under Inlet (1/2", photo). 2020: Inlet (RT): gap along bottom & sides @ jct. w/ pipe (hollow sounding w/ piping, '23-photo). Ground hog hole & loss of material behind wingwall @ FWD-RT corner next to pipe & embankment. See photo(s): 1						
845-Roadway Over Structure	3 - Mod.	1	each	1	0	0	0
	2023: NO Bridge Markers. NOTE: 2023: LT: Asphalt RT: Concrete; Station stamped into shoulder ("783+00"-Rear-RT, photo).						

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Facility Carried: NEW USR 30

ODOT District: District 03

WAY-00030-1484 _(8502129)

Date Built: 07/01/2005

Major Maint: 01 - State Highway Agency

Facility Carried: NEW USR 30

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: TRIB.OF APPLE CREEK

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 24136 - EAST UNION TWP (WAY county)

Location: DISTRICT 03

0.67 MI.W.OF C.R.44

Resp A:

Inspector

Keener,Walter

Inspection Date 12/04/2023

Reviewer Kapustar,Kent

Insp

Resp B:

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface (EA)

NOTE:

2015 new asphalt resurfacing w/ proj.#420(15), LT only, Concrete-RT.

Approach Relief Joint (LF)

N/A - None (Culvert type bridge).

Approach Embankment (EA)

RT side near pipe: a few groundhog holes.

Approach Guardrail (EA)

LT side w/ minor collision damage.

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Culvert Alignment (LF)

Minor to moderate misalignment throughout w/ discontinuities / gaps @ joints w/ filter fabric visible @ some joints - "AS BUILT" (many sections w/ hollow sounding areas in bottom, sections w/ piping. Some pipe section joints w/ low areas / uneven & standing water.

Culvert Shape (LF)

Areas of unevenness in top & bottom throughout - "AS BUILT".

Culvert Scour (EA)

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Inlet (RT): 1st ('23-photo) & 2nd sections of pipe w/ significant piping (large hollow sounding areas along invert).

Previous minor scour hole @ inlet w/ soft material("AS BUILT") - now filled in w/ gravel; stone / rip-rap @ inlet / outlet.

Inspector Comments - Waterway

Waterway Adequacy

Channel Hydraulic Opening (EA)

Build-up @ Outlet (LT) w/ 6"-10"± standing water in LT- half of pipe.

Minor silt build-up in LT-half w/ some standing water "AS BUILT".

Channel

Channel Alignment (LF)

Slight angle @ inlet (RT) - "AS BUILT".

Scour Critical

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Pictures



PHOTO 1

Description Piping-RT