

Inspector: Miller,Jason

Inspection Date: 06/02/2025

Structure Number: 2800551

Facility Carried: SR 86

Ohio Bridge Inspection Summary Report

GEA-00086-0094 (2800551)

B.L.04: District District 1276628 - THOMPSON TWP (GEA county)

B.CL.02: Major Maint 01 - State Highway Agency /

225 Routine Main A/B 01 - State Highway Agency /

221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00086

7: Facility On SR 86

6: Feature Ints PHELPS CRK .02 MI E. 166

9: Location .1 MI S SR166

at, Lon 41.648089 , -81.086289

Condition

B.C.01: Deck 5

58.01: Wearing Surface 4

B.C.08: Joint N

B.C.02: Superstructure 5

59.01: Paint & PCS N

B.C.03: Substructure 7

B.C.09: Channel 7

B.C.11: Scour 7

B.C.10: Channel Prot. N

B.C.05: Bridge Railing 7

B.C.06: Transitions 7

B.C.07: Bearings 7

B.C.04: Culverts N

Ohio GA 5

Appraisal

B.AP.03: Scour Vul. A - Scour appraisal completed. Bridge determined to be stable for scour.

Geometric

48: Max Span Length (ft) 28.0
49: Structure Length (ft) 30.0
52: Deck Width, Out-To-Out (ft) 40.2
424: Deck Area (sf) 1206
32: Appr Roadway Width (ft) 38.0
51: Road Width, Curb-Curb (ft) 36.8
50A: Curb/SW Width: Left (ft) 0
50A: Curb/SW Width: Right (ft) 0
34: Skew (deg) 40
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) 0

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 04/07/2023
63: Analysis Method 8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

Structure Type

43: Bridge Type 5 - Prestressed concrete
05 - Box Beam or Girders - Multiple
N- Not Applicable
45: Spans Main / Approach 1 / 0
107: Deck Type 1 - Concrete Cast-in-Place
408: Composite Deck N - Non-composite Construction
414A Joint Type 1 N - None
414B: Joint Type 2 N - None
108A: Wearing Surface 1 - Monolithic Concrete (concurrently placed with structural deck)
1 - Super Plasticized Dense Concrete (SDC)
422: WS Date 06/06/1990
423: WS Thick (in) 5.5
482: Protective Coating N - None or Not Applicable
483: PCS Date
453: Bearing Type 1 4 - Elastomeric (Plain)
455: Bearing Type 2 N - None
528: Foundn: Abut Fwd 4 - Spread Footing (on soil)
533: Foundn: Abut Rear 4 - Spread Footing (on Soil)
536: Foundn: Pier 1 N - None (Such as most Culverts)
539: Foundn: Pier 2 N - None (Such as most Culverts)

Age and Service

27: Year Built/ 106 Rehab 1989 / 0000
42A: Service On 1 - Highway
42B: Service Under 5 - Waterway
28A: Lanes on 02
28B: Lanes Under 00
19: Bypass Length 5
29: ADT 1950
109: % Trucks (%) 6

Inspections

90: Routine Insp. 12 Months 06/06/2024
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
12-Reinforced Concrete Deck	3 - Mod.	1210	sq. ft.	510	280	420	0
	See Box Beam comments						
510-Wearing Surfaces		1150	sq. ft.	0	722	310	118
	Wearing surface dropped to a "4" at 2024 inspection due to 10% asphalt patches, wide longitudinal cracking over boxes, and evidence of heavy leaking to box beams with stalactites. CS2- Areas of map cracking. Other cracks. CS3- Six full-length, .05" width longitudinal cracks (Heavy leaching with stalactites between box beams corresponds with crack locations). Delaminated/broken up area in Westbound lane adjacent to asphalt patch in Eastbound lane. Areas of heavy map cracking. CS4- Asphalt patches throughout in both lanes.						
104-Prestressed Concrete Closed Web/Box Girder	3 - Mod.	390	ft.	0	90	300	0
	13, 40" prestressed box beams with 9, 1/2" strands per box. CS2- Mottled areas. CS3- A few spalls. Evidence of heavy leaking with stalactites thru joints of beams 4,5,6,7,8 and 9. Cracks, mostly longitudinal, some diagonal near abutments, some with rust leaching stains. Beam 3- Crack to edge of box (4LF) with rust leaching stain at mid span. Beam 4- Cracking to edge of box (25LF) with heavy efflorescence build up and rust leaching stains. Beam 5- Cracking to edge of box (25LF) with heavy efflorescence build up and rust leaching stains. Beam 6- Spall (1LF) at forward. Beam 7- Cracking to edge of box (8LF) with heavy efflorescence build up and rust leaching stains. Beam 8- Spall (1 LF) with one exposed strand at forward. Cracking to edge of box (8LF) with heavy efflorescence build up and rust leaching stains. Beam 9- Spall (4LF) with one exposed strand near rear. Cracking to edge of box (15LF) with heavy efflorescence build up and rust leaching stains. Beam 12- Spall (1LF) at forward. Beam 13 at forward is cracked and spalled adjacent to bearing pad.						
215-Reinforced Concrete Abutment	3 - Mod.	78	ft.	60	15	3	0
	CS2- Vertical cracks, some leaching. Some scaling at water level. CS3- A few delams. Spall at rear under beam 10.						
521-Concrete Protective Coating		546	sq. ft.	0	0	0	546
	CS 4: Sealer not effective.						
310-Elastomeric Bearing	3 - Mod.	26	each	24	0	2	0
	CS3- The right corner of beam 10 at forward touches abutment seat. Forward bearing 13 is fully compressed.						
321-Reinforced Concrete Approach Slab	3 - Mod.	1300	sq. ft.	939	300	1	60
	CS2- Several full-length diagonal cracks. Some map cracks. CS3- Spall to rear in westbound lane. CS4- Asphalt patches to both.						

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ODOT District: District 12

GEA-00086-0094 _(2800551)

Date Built: 07/01/1989

Major Maint: 01 - State Highway Agency

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: PHELPS CRK .02 MI E. 166

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 76628 - THOMPSON TWP (GEA county)

Location: DISTRICT 12

.1 MI S SR166

Insp

Resp B:

Inspector

Miller,Jason

Inspection Date

06/02/2025

Reviewer

Seif,Youssef

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

Cracks along slabs.

Embankment

Minor erosion at forward and rear-left.

Approach Guardrail

Minor collision damage to forward-right, scrapes at forward left, rear right.

Inspector Comments - General Appraisal

Superstructure

Substructure

Wingwalls

Leaching cracks. All have slight leaning/rotation (greatest at the rear-left, causing a 1" gap between rear-left curb & top of wingwall). Water leaking thru construction joint in forward right.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

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Scour Critical

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Bridge Inspection Report

Pictures