

Inspector: Erkelenz,David

Inspection Date: 06/11/2026

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 /

B.CL.02.02 Rou. Maint. A/B 01 - State Highway Agency /

B.CL.02.03: Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00086

7: Facility On SR 86

6: Feature Ints PHELPS CREEK

9: Location .1 MI S SR166

Lat, Lon 41.648089 ,-81.086289

Condition

B.C.01: Deck 5

58.01: Wearing Surface 3

B.C.08: Joint N

B.C.02: Superstructure 4

59.01: Paint & PCS N

B.C.03: Substructure 5

B.C.09: Channel 7

B.C.11: Scour 7

B.C.10: Channel Prot. N

B.C.05: Bridge Railing 6

B.C.06: Transitions 7

B.C.07: Bearings 6

B.C.04: Culverts N

Ohio GA 4

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

108: Wearing Surface 1 - Monolithic Concrete (concurrently placed with structural deck)

1 - Super Plasticized Dense Concrete (SDC)

B.SP.10.03: WS Date 06/06/1990

B.SP.10.02: WS Thick (in) 5.5

B.SP.07.01: PCS Type 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)

Appraisal

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

Geometric

B.G.01: NBIS Bridge Length (ft) 25.7

B.G.02: Total Bridge Length (ft) 29.6

B.G.03: Max Span (ft) 28.1

B.G.05: Deck Width, Out-To-Out (ft) 40.2

B.G.16: Calc Deck Area (sf) 1189.9

B.G.09: Appr Roadway Width (ft) 38.0

B.G.06: Bridge Width, Curb-Curb (ft) 38.0

B.G.07: Curb/SW Width: Left (ft) 0.0

B.G.08: Curb/SW Width: Right (ft) 0.0

B.G.11: Skew (deg) 40

54B: Min Vert Underclearance (ft) 0

336A: Min Vert Clrnce IR Cardinal (ft) 99

336B: Min V Clr IR Non-Cardinal (ft) 0

B.SP.16.02: 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

B.LR.03: Rating Date 04/07/2023

B.LR.04: Rating Method LRFR - Load and Resistance Factor Rating

Age and Service

B.W.01: Year Built/ 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

B.IE.03 Routine Insp. 12 Months 06/11/2026

B.IE.03: NSTM Insp. 0

B.IE.03: UW Insp. N 0

B.IE.03: Special Insp. 0

UBIT Insp. N 0

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.	1184	sq. ft.	784	220	180	0
	5.5" reinforced concrete slab integral to box beams. CS2 - Leaking through wearing surface & deck slab corresponds to the light & heavy mottling of box beams below. CS3 - Full-length longitudinal cracks in wearing surface correspond to leaking seams 5 & 7-11 with heavy efflorescent build up between box beams of superstructure.						
510-Wearing Surfaces		1125	sq. ft.	0	697	310	118
	CS2 - Longitudinal cracks. Areas of moderate pattern map cracking. CS3 - Areas of heavy pattern map cracking throughout. Six, 0.05" wide, full-length longitudinal cracks. A few spalled edges to cracks. CS4 - Rough asphalt patches throughout both lanes with some concrete break up.						
104-Prestressed Concrete Closed Web/Box Girder	3 - Mod.	382	ft.	0	182	200	0
	13, 40" prestressed box beams with 9, 1/2" strands per box. CS2 - Lightly mottled areas. Delamination to southeast corner of beam 7 at forward. CS3 - Some water leaking through with heavy efflorescent build up with stalactites at seams 5 & 7-11. Some heavy mottling. Diagonal cracks near beam ends. Beam 3 - 4' of wide rust leaching crack to south edge of box at midspan. Beam 4 - 25' of rust leaching cracks to edge of box with heavy efflorescence build up. 3' of narrow spall with 1 exposed strand. Spall with 1 exposed strand, at rear. Beam 5 - 25' of wide rust leaching cracks with loose delamination & spalling to north edge of box with heavy efflorescent build up. Spall to middle of beam end at rear. Beam 6 - 2 SF of spall with 2 exposed strands to northeast corner, at forward. Beam 7 - 8' of wide, rust leaching cracks to north edge of box with heavy efflorescent build up. Beam 8 - 8' of rust leaching cracks to edge of box with heavy efflorescent build up. Spall with 1 exposed strand to southeast corner at forward. Beam 9 - 15' of rust leaching cracks to edge of box with heavy efflorescent build up. Spall to middle of beam end at forward. 4' of spall with 1 exposed strand near rear. Beam 11 - Wide rust leaching crack with delamination to northwest corner at rear. Beam 13 - Spall to southeast corner at forward bearing pad.						
215-Reinforced Concrete Abutment	3 - Mod.	105	ft.	62	15	28	0
	CS2 - Vertical cracks, some leaching. A few delaminations. Small shallow spall to top edge of rear, below beam 7. CS3 - Some heavy scaling at water line. A few rust leaching cracks. A few leaching cracks with efflorescent build up. Full-height, vertical leaching crack with efflorescent build up to forward, below beam 4. Spall with exposed rebar to top edge of rear, below beam 10.						
521-Concrete Protective Coating		735	sq. ft.	0	0	0	735
	CS4 - CPC is ineffective.						
310-Elastomeric Bearing	3 - Mod.	52	each	50	0	2	0
	CS3 - Southeast corner of beam 10 is in contact with forward abutment seat. Southeast bearing pad of beam 13 is fully compressed at forward.						

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[illegible]

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ODOT District: District 12

GEA-00086-0094 _(2800551)

Date Built: 07/01/1989

Major Maint: 01 - State Highway Agency

Facility Carried: SR 86

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: PHELPS CREEK

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 76628 - THOMPSON TWP (GEA county)

Location: DISTRICT 12

.1 MI S SR166

Insp

Inspector

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Inspection Date 06/11/2026

Reviewer Seif,Youssef

Resp B:

Inspector Comments - Deck and Approach

Deck, Wearing Surface, Joints, Railing

Deck is rated 5 for some moderate defects.

Approach

Approach Wearing Surface

Some cracks to asphalt.

Approach Guardrail

Scrapes & minor collision damage to forward left, forward right & rear right.

Approach Embankment

Minor erosion to forward right, forward left & rear left.

Inspector Comments - General Appraisal

Superstructure, Bearings

Superstructure is rated 4 for widespread moderate defects.

Substructure

Substructure is rated 5 for widespread moderate defects.

Wingwalls

Slight leaning at all four corners. Water leaking through construction joint at forward right. Leaching cracks, with efflorescent build up to forward right. Small shallow spall to top edge of rear left.

Culvert

Inspector Comments - Waterway

Channel Protection

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Channel

Scour