

Inspector: Schmidt,Eric

Inspection Date: 05/21/2024

Structure Number: 3190161

Facility Carried: BIKE PATH

Ohio Bridge Inspection Summary Report

HAM-001SP-0035 (3190161)

2: District 50176 - MILFORD (CLE & HAM county)
ict
08

5A: Inventory Route 2 00126

21: Major Maint A/B 11 - State Park, Forest, or
Reservation Agency /

7: Facility On BIKE PATH

225 Routine Main A/B 11 - State Park, Forest, or
Reservation Agency /

6: Feature Ints BIKE PATH OV SHAWNEE RUN

221 Inspection A/B 01 - State Highway Agency /

9: Location ODNR BIKE PATH

220: Inv. Location DISTRICT 08

Lat, Lon 39.175697 ,-84.30031

Condition		Structure Type	
58: Deck	4 - Poor Condition	43: Bridge Type	1 - Concrete
58.01 Wearing Surface	N - Not Applicable		01 - Slab
58.02 Joint	N- Not Applicable		N- Not Applicable
59: Superstructure	4 - Poor Condition	45: Spans Main / Approach	1 / 0
59.01 Paint & PCS	N - Not Applicable	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	6 - Satisfactory Condition	408: Composite Deck	X - Not Applicable
61: Channel	N	414A Joint Type 1	N - None
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	N - NA
67.01 GA	4		N- Not Applicable

Appraisal		422: WS Date	
Sufficiency Rating	34.0 SD/FO 1 - SD	423: WS Thick (in)	0.0
36: Rail, Tr, Gd, Term Std	N N N N	482: Protective Coating	N - None or Not Applicable
72: Approach Alignment	8 - Equal to present desirable criteria	483: PCS Date	
113: Scour Critical	N - Not over waterway	453: Bearing Type 1	N - None
71: Waterway Adequacy	N - Not Applicable	455: Bearing Type 2	N - None
		528: Foundn: Abut Fwd	0 - Other
		533: Foundn: Abut Rear	0 - Other
		536: Foundn: Pier 1	N - None (Such as most Culverts)
		539: Foundn: Pier 2	N - None (Such as most Culverts)

Geometric		Age and Service	
48: Max Span Length (ft)	23.0	27: Year Built/ 106 Rehab	1900 / 1991
49: Structure Length (ft)	24.0	42A: Service On	3 - Pedestrian-bicycle
52: Deck Width, Out-To-Out (ft)	31.5	42B: Service Under	1 - Highway, with or w/out pedestrian
424: Deck Area (sf)	756	28A: Lanes on	00
32: Appr Roadway Width (ft)	23.0	28B: Lanes Under	02
51: Road Width, Curb-Curb (ft)	23.0	19: Bypass Length	0
50A: Curb/SW Width: Left (ft)	10	29: ADT	10
50A: Curb/SW Width: Right (ft)	0	109: % Trucks (%)	
34: Skew (deg)	0		
33: Bridge Median	0 - No median		
54B: Min Vert Underclearance (ft)	11		
336A: Min Vert Clrnce IR Cardinal (ft)	11		
336B: Min V Clr IR Non-Cardinal (ft)	0		
578: Culvert Length (ft)	0		

Load Posting		Inspections	
41: Op/Post/Closed	A - Open	90: Routine Insp.	Months 12 05/21/2024
70: Posting		92A: FCM Insp.	N 0
70.01: Date		92B: Dive Insp.	N 0
70.02: Sign Type		92C: Special Insp.	N 0
734: Percent Legal (%)	0	92D: UBIT Insp.	N 0
704: Analysis Date	07/01/1991	92E: Drone Insp.	N 0
63: Analysis Method	7 - Allowable Stress (AS) rating reported by rating factor (RF) method using MS18 loading.	Inspector	Schmidt,Eric

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ODOT District: District 08

HAM-001SP-0035 _(3190161)

Date Built: 07/01/1900

Rehab Date: 01/01/1991

Major Maint: 11 - State Park, Forest, or
Reservation Agency

Facility Carried: BIKE PATH

Traffic On: 3 - Pedestrian-bicycle

Routine Maint: 11 - State Park, Forest, or
Reservation Agency

Feature Inters: BIKE PATH OV SHAWNEE
RUN

Traffic Under: 1 - Highway, with or w/out
pedestrian

FIPS Code: 50176 - MILFORD (CLE & HAM county)

Location: DISTRICT 08

ODNR BIKE PATH

Insp. 01 - State Highway Agency
Resp A:

Insp
Resp B:

Inspector

Schmidt,Eric

Inspection Date 05/21/2024

Reviewer Not Approved

Inspector Comments - Deck and Approach

Deck

Floor/Slab

Spall with exposed resteel mainly to west slab, (65sf.). East slab has 1 small delaminated area. Numerous scrape markings throughout floor. Small collision gouges to outside edges. Floor consists of 4 each separate slabs with 1/2" joints between slabs, joints have discoloration with heavy leakage. Spall 1.5sf along OS face of north west slab. 3 spalls in east slab.

Curbs/Sidewalk

Walkway/bike path. Asphalt over structure and rear with couple small unsealed cracks over structure.

Bridge Railing

Bike rail boards, weathered, some slightly warped.

Approach

Approach Wearing Surface

Asphalt bike path in good condition.

Approach Embankment

Steep side slopes have minor slumping at approaches. Slight dip throughout top of embankment starting 10' forward of structure. Very minor settlement to embankment at forward, rear and over structure. Debris and small rocks at edge of wall over roadway.

Approach Guardrail

Bike rail has weathered boards, some slightly warped. Damage to top rail NE corner.

Signs

Advance warning signs on route under structure (Shawnee Run Rd.) at right. Sign on east face of structure has scrapes, tear at bottom edge and west sign has scrapes..

Inspector Comments - General Appraisal

Superstructure

Slab

Spall with exposed resteel mainly to west slab, (65sf.). East slab has a few spalls with resteel exposed.

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REVIEWER NOTE 2021: This structure should be rated based upon the worst of the 4 individual slab because they do not appear to share/distribute load between them. Consequently, the rating should be based upon the westernmost slab and downgraded to a Superstructure Summary (and GA) = 4 since the percent of spalling in this slab exceeds 10%.

Substructure

Abutment Walls

Vertical cracks in both abutments with one 1/4" to 1/2" wide vertical crack in south abutment. An area of delam along this crack is up to 4" side and 2' long. A few random hairline short cracks. South has couple small patches & mortar rubbed areas. Minor collision scrape markings minor spalls at lower left rear corner.

Wingwalls

Random hairline to 1/8" vertical cracks with some efflorescence & small delaminated areas, mostly along upper horizontal construction joint. East side, top extended over structure with timbers for holding back embankment, new timbers has been placed along this area. North west and east wingwalls have areas of heavy cracking with efflor. A few shallow spalls at ww ends. Northeast WW has spall and delam under cap of wall.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures