



BRIDGE LOAD RATING SUMMARY REPORT
OFFICE OF STRUCTURAL ENGINEERING
OHIO DEPARTMENT OF TRANSPORTATION

SFN (SNBI Bridge Number)		Ohio Bridge Number (Bridge Asset Name)		District	GPS Coordinates																																		
					LATITUDE:	LONGITUDE:																																	
5103932		MAR-00746-0905		6	40.621315	-82.962559																																	
Original Year Built		Year Re-built	Total length	Structure Type XXX	Feature Intersected																																		
1955		1983/2026	174 ft	402	OLENTANGY RIVER																																		
SPECIAL ASSUMPTIONS & COMMENTS		Three span (52.0', 65.0' and 52.0' c/c bearings) continuous composite rolled steel beam bridge with 30°00'00" right forward skew and 5-steel rolled I-beams (30WF108). Reinforced concrete deck with a width of 28'-0" o/o and 28'-0" f/f TST railing (TS-1-99) Updates for 2026 rehab: deck concrete, f'c = 4.5ksi, reinforcing steel, fy = 60ksi, deck thickness = 8.5", overhang thickness = 1'-6", 0 psf FWS.																																					
Controlling Rating Details	Minimum Legal Rating = 1.082, Live Load = SU7, Member =B1 (Exterior Beam) Location: Span 1 - (75.6%) (39.33ft along the member) → Limit State = STRENGTH-I Steel Flexure Stress																																						
	HL-93 Minimum Inventory Rating = 0.655, Member =B1 (Exterior Beam) Location: Span 1 - (100.0%) (52ft along the member) → Limit State = STRENGTH-I Steel Flexure Stress																																						
	HL-93 Minimum Operating Rating = 0.849, Member =B1 (Exterior Beam) Location: Span 1 - (100.0%) (52ft along the member) → Limit State = STRENGTH-I Steel Flexure Stress																																						
		Please type or select on right using drop down arrow			Place Engineers Seal Below																																		
Load Rating Purpose:		2 - Rehabilitation			 5/30/2025																																		
Bridge Appraisal Rating (0-9):		6																																					
Load rating Software:		3 - AASHTO BrR																																					
Software version:		7.6.1.3001																																					
Rating Source:		1 - Plan information available for load rating analysis																																					
Load Rating Method:		LRFR - Load & Resistance Factor Rating (RF) - Code 8																																					
Design Loading:		4 - H20																																					
STRUCTURE RATING SUMMARY																																							
OHIO & AASHTO LEGAL VEHICLES					DESIGN AND OPERATING RATINGS																																		
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SPECIALIZED HAULING VEHICLES (SHV)					Permit Load (PL) Analysis **																																		
<table border="1"> <tr><td>SU4/4F1</td><td>27</td><td>4</td><td>1.499</td><td>27.00</td></tr> <tr><td>SU5</td><td>31</td><td>5</td><td>1.328</td><td>31.00</td></tr> <tr><td>SU6</td><td>34.75</td><td>6</td><td>1.190</td><td>34.75</td></tr> <tr><td>SU7</td><td>38.75</td><td>7</td><td>1.082</td><td>38.75</td></tr> </table>					SU4/4F1	27	4	1.499	27.00	SU5	31	5	1.328	31.00	SU6	34.75	6	1.190	34.75	SU7	38.75	7	1.082	38.75	Permit Load (PL) Analysis **														
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Check box if rating for EV3 <input checked="" type="checkbox"/>																																							
Controlling Legal Load RF		108%	1.08	PL Analysis Method		Load & Resistance Factor Rating (LRFR)																																	
AGENCY/FIRM/OFFICE		Fishbeck																																					
	Name	PE Number	Phone Number	Email	Report Date:	5/29/2025																																	
Rated By	Tara Campbell	84482	513-247-8568	ticampbell@fishbeck.com																																			
Reviewed By	Brad Garrison	79104	937-802-3301	bgarrison@fishbeck.com																																			

** ODOT bridges to be analyzed for permit trucks by policy.

BR-100 (01/2024)

Analysis for permit trucks is optional for non-ODOT bridges and at owner's discretion.