



## Student Steel Bridge Competition - Category Ranking

<b>Competition:</b>	<b>Eastern Great Lakes</b>
<b>Location:</b>	<b>Houghton, Michigan</b>
<b>Date:</b>	<b>Saturday, April 12, 2025</b>
<b>Die Roll Result:</b>	<b>9</b>

### Not Ranked

Full Name	Loading Status	Ineligibility	Reason
University of Akron	Pass	3	Bridge is unsuitable for intended purpose
Ohio State University	Pass	9.3	Excessive dimensional violation
University of Dayton	Pass	None	
University of Toledo	Stopped	None	
Case Western Reserve University	Stopped	None	
Lawrence Technological University	Stopped	None	
Michigan Technological University	Pass	None	
Ohio Northern University	Pass	None	
Ohio University	Stopped	None	
University of Cincinnati	Stopped	None	
University of Michigan	Pass	None	
Western Michigan University	Stopped	None	
Youngstown State University	Pass	None	

### Construction Speed

Full Name	Loading Status	Time (minutes)	Rank
Youngstown State University	Pass	5.58	1
University of Michigan	Pass	12.03	2
Michigan Technological University	Pass	13.85	3
University of Dayton	Pass	16.58	4
Ohio Northern University	Pass	20.20	5
Ohio University	Stopped	14.87	6
Lawrence Technological University	Stopped	26.13	7
University of Toledo	Stopped	34.42	8
Case Western Reserve University	Stopped	183.75	9
University of Cincinnati	Stopped	184.50	10
Western Michigan University	Stopped	195.75	11
Ohio State University	Pass	35.40	NR
University of Akron	Pass	9999.00	NR

### Lightness

Full Name	Loading Status	Weight (lbs)	Rank
Michigan Technological University	Pass	221.3	1
Youngstown State University	Pass	237.1	2
University of Dayton	Pass	286.6	3
University of Michigan	Pass	318.0	4
Ohio Northern University	Pass	521.7	5
University of Toledo	Stopped	193.5	6
Ohio University	Stopped	403.7	7
Case Western Reserve University	Stopped	403.8	8
Lawrence Technological University	Stopped	550.6	9
Western Michigan University	Stopped	578.7	10
University of Cincinnati	Stopped	614.4	11
Ohio State University	Pass	369.0	NR
University of Akron	Pass	228.6	NR

## Aesthetics

Full Name	Loading Status	Score	Rank
Ohio Northern University	Omitted	Omitted	1
Ohio State University	Omitted	Omitted	2
Lawrence Technological University	Omitted	Omitted	3
University of Toledo	Omitted	Omitted	4
University of Akron	Omitted	Omitted	5
Western Michigan University	Omitted	Omitted	6
Ohio University	Omitted	Omitted	7
University of Michigan	Omitted	Omitted	8
Youngstown State University	Omitted	Omitted	9
Michigan Technological University	Omitted	Omitted	10
University of Cincinnati	Omitted	Omitted	11
University of Dayton	Omitted	Omitted	12
Case Western Reserve University	Omitted	Omitted	13

## Stiffness

Full Name	Loading Status	Agg D (in)	Rank
Youngstown State University	Pass	0.75	1
Michigan Technological University	Pass	0.78	2
University of Dayton	Pass	1.48	3
University of Michigan	Pass	1.98	4
Ohio Northern University	Pass	3.03	5
Lawrence Technological University	Stopped	10.00	6
University of Toledo	Stopped	10.00	7
Western Michigan University	Stopped	10.00	8
Ohio University	Stopped	10.00	9
University of Cincinnati	Stopped	10.00	10
Case Western Reserve University	Stopped	10.00	11
Ohio State University	Pass	0.94	NR
University of Akron	Pass	0.00	NR

## Cost Estimate

Full Name	Loading Status	Estimate	Rank
Youngstown State University	Pass	\$ 243,976.95	1
University of Michigan	Pass	\$ 1,242,527.23	2
Michigan Technological University	Pass	\$ 1,284,080.75	3
University of Dayton	Pass	\$ 5,540,647.35	4
Ohio Northern University	Pass	\$ 13,656,119.13	5
University of Toledo	Stopped	\$ 38,493,762.71	6
Lawrence Technological University	Stopped	\$ 45,720,493.89	7
Case Western Reserve University	Stopped	\$ 54,235,805.54	8
Ohio University	Stopped	\$ 57,882,869.88	9
University of Cincinnati	Stopped	\$ 200,364,685.32	10
Western Michigan University	Stopped	\$ 261,759,421.60	11
Ohio State University	Pass	\$ 13,679,484.89	NR
University of Akron	Pass	\$ 7,771,018,699.25	NR

## Economy

Full Name	Loading Status	Cc	Rank
Youngstown State University	Pass	\$ 3,995,000.00	1
University of Michigan	Pass	\$ 8,066,000.00	2
Michigan Technological University	Pass	\$ 8,601,000.00	3
Ohio Northern University	Pass	\$ 18,624,000.00	4
University of Dayton	Pass	\$ 19,595,000.00	5
Ohio University	Stopped	\$ 10,396,000.00	6
Lawrence Technological University	Stopped	\$ 23,056,000.00	7
University of Toledo	Stopped	\$ 39,820,000.00	8
University of Cincinnati	Stopped	\$ 163,350,000.00	9
Case Western Reserve University	Stopped	\$ 184,725,000.00	10
Western Michigan University	Stopped	\$ 242,325,000.00	11
Ohio State University	Pass	\$ 34,998,000.00	NR
University of Akron	Pass	\$ 7,799,220,000.00	NR

## Efficiency

Full Name	Loading Status	Cs	Rank
Michigan Technological University	Pass	\$ 4,298,685.75	1
Youngstown State University	Pass	\$ 4,566,976.95	2
University of Dayton	Pass	\$ 8,271,352.65	3
University of Michigan	Pass	\$ 9,406,344.65	4
Ohio Northern University	Pass	\$ 25,452,182.39	5
University of Toledo	Stopped	\$ 61,231,183.48	6
Ohio University	Stopped	\$ 61,933,176.27	7
Western Michigan University	Stopped	\$ 63,439,363.81	8
University of Cincinnati	Stopped	\$ 63,764,685.32	9
Case Western Reserve University	Stopped	\$ 64,059,208.24	10
Lawrence Technological University	Stopped	\$ 66,612,726.95	11
Ohio State University	Pass	\$ 6,103,734.89	NR
University of Akron	Pass	\$ 1,424,761.25	NR

## Overall

Full Name	Loading Status	Cc + Cs	Rank
Youngstown State University	Pass	\$ 8,561,976.95	1
Michigan Technological University	Pass	\$ 12,899,685.75	2
University of Michigan	Pass	\$ 17,472,344.65	3
University of Dayton	Pass	\$ 27,866,352.65	4
Ohio Northern University	Pass	\$ 44,076,182.39	5
Ohio University	Stopped	\$ 72,329,176.27	6
Lawrence Technological University	Stopped	\$ 89,668,726.95	7
University of Toledo	Stopped	\$ 101,051,183.48	8
University of Cincinnati	Stopped	\$ 227,114,685.32	9
Case Western Reserve University	Stopped	\$ 248,784,208.24	10
Western Michigan University	Stopped	\$ 305,764,363.81	11
Ohio State University	Pass	\$ 41,101,734.89	NR
University of Akron	Pass	\$ 7,800,644,761.25	NR