



Student Steel Bridge Competition - Category Ranking

Competition:	National Finals
Location:	Blacksburg, Virginia
Date:	Saturday, May 28, 2022
Die Roll Result:	1

Not Ranked

Full Name	Ineligibility	Reason
Brigham Young University	11.5	Excessive deflection/sway or loading stopped by judges
Tennessee Tech	11.5	Excessive deflection/sway or loading stopped by judges
University of Puerto Rico, Mayagüez	11.5	Excessive deflection/sway or loading stopped by judges
California State Polytechnic University, Pomona	None	
Colorado School of Mines	None	
Drexel University	None	
Kansas State University	None	
Kennesaw State University	None	
Lafayette College	None	
Lakehead University	None	
Louisiana State University	None	
Marquette University	None	
Michigan Technological University	None	
Missouri University of Science and Technology	None	
Northeastern University	None	
Norwich University	None	
Oregon Institute of Technology	None	
SUNY College of Technology at Canton	None	
Universidad Nacional Autónoma de Mexico	None	
University at Buffalo	None	
University of Alaska, Anchorage	None	
University of Alaska, Fairbanks	None	
University of British Columbia	None	
University of California, Berkeley	None	
University of California, San Diego	None	
University of Connecticut	None	
University of Florida	None	
University of Illinois at Urbana-Champaign	None	
University of Minnesota, Duluth	None	
University of Wisconsin, Platteville	None	
Utah State University	None	
Vanderbilt University	None	
Virginia Tech	None	
Youngstown State University	None	

Construction Speed

Full Name	Time (minutes)	Rank
Kennesaw State University	3.83	1
University at Buffalo	4.13	2
University of Florida	5.03	3
University of Alaska, Fairbanks	5.33	4
Louisiana State University	5.35	5
Lafayette College	5.55	6
Youngstown State University	5.77	7
Missouri University of Science and Technology	6.32	8
Michigan Technological University	6.92	9
Virginia Tech	6.92	10
California State Polytechnic University, Pomona	7.33	11
University of California, San Diego	7.57	12
University of California, Berkeley	7.65	13
University of Illinois at Urbana-Champaign	9.58	14
University of Wisconsin, Platteville	10.55	15
Lakehead University	11.35	16
Kansas State University	12.45	17
University of British Columbia	12.65	18
University of Alaska, Anchorage	12.88	19
University of Connecticut	14.03	20
Norwich University	14.45	21
SUNY College of Technology at Canton	15.42	22
Drexel University	15.63	23
Universidad Nacional Autónoma de Mexico	17.17	24
Colorado School of Mines	17.90	25
Utah State University	18.83	26
Northeastern University	21.35	27
Marquette University	22.23	28
Oregon Institute of Technology	23.60	29
Vanderbilt University	24.95	30
University of Minnesota, Duluth	25.60	31
Brigham Young University	18.32	NR
Tennessee Tech	54.22	NR
University of Puerto Rico, Mayagüez	5.38	NR

Lightness

Full Name	Weight (lbs)	Rank
University at Buffalo	133.9	1
Lakehead University	143.9	2
University of Alaska, Fairbanks	144.8	3
Oregon Institute of Technology	147.6	4
Youngstown State University	152.3	5
University of Florida	163.3	6
University of Minnesota, Duluth	168.9	7
Louisiana State University	176.0	8
University of British Columbia	176.4	9
Michigan Technological University	178.4	10
University of California, San Diego	182.1	11
California State Polytechnic University, Pomona	187.0	12
University of Wisconsin, Platteville	188.2	13
University of Connecticut	194.7	14
Colorado School of Mines	198.2	15
Lafayette College	198.4	16
Northeastern University	215.7	17
Virginia Tech	216.6	18
University of Illinois at Urbana-Champaign	228.9	19
Vanderbilt University	237.6	20
SUNY College of Technology at Canton	244.4	21
Missouri University of Science and Technology	275.3	22
University of Alaska, Anchorage	297.2	23
Drexel University	299.8	24
Universidad Nacional Autónoma de Mexico	308.5	25
Kansas State University	392.4	26
Utah State University	403.2	27
Marquette University	476.2	28
Norwich University	497.5	29
University of California, Berkeley	570.2	30
Kennesaw State University	574.9	31
Brigham Young University	209.7	NR
Tennessee Tech	303.5	NR
University of Puerto Rico, Mayagüez	160.7	NR

Aesthetics

Full Name	Score	Rank
University of Wisconsin, Platteville	13.00	1
University of British Columbia	12.83	2
University of Alaska, Fairbanks	12.50	3
Tennessee Tech	11.83	4
University of Alaska, Anchorage	11.67	5
Lakehead University	11.17	6
Oregon Institute of Technology	11.00	7
Louisiana State University	10.83	8
University of California, Berkeley	10.33	9
Kennesaw State University	9.67	10
Lafayette College	9.67	11
Michigan Technological University	9.50	12
Virginia Tech	9.50	13
Kansas State University	9.33	14
Marquette University	9.33	15
University of Puerto Rico, Mayagüez	9.33	16
University at Buffalo	9.33	17
University of California, San Diego	9.17	18
SUNY College of Technology at Canton	9.17	19
Youngstown State University	9.00	20
University of Minnesota, Duluth	9.00	21
University of Connecticut	8.83	22
Norwich University	8.67	23
Northeastern University	8.67	24
Brigham Young University	8.67	25
Drexel University	8.50	26
Vanderbilt University	8.33	27
University of Florida	8.17	28
Colorado School of Mines	8.17	29
University of Illinois at Urbana-Champaign	8.17	30
Missouri University of Science and Technology	8.17	31
Utah State University	8.17	32
California State Polytechnic University, Pomona	7.83	33
Universidad Nacional Autónoma de Mexico	7.17	34

Stiffness

Full Name	Agg D (in)	Rank
California State Polytechnic University, Pomona	0.19	1
Michigan Technological University	0.25	2
Lafayette College	0.26	3
Kennesaw State University	0.34	4
University of Florida	0.37	5
University of California, Berkeley	0.43	6
University of Alaska, Fairbanks	0.48	7
University of California, San Diego	0.48	8
Lakehead University	0.62	9
Missouri University of Science and Technology	0.62	10
Vanderbilt University	0.65	11
SUNY College of Technology at Canton	0.73	12
University of Alaska, Anchorage	0.76	13
University at Buffalo	0.82	14
Youngstown State University	0.83	15
University of Connecticut	0.84	16
Louisiana State University	0.89	17
University of Wisconsin, Platteville	0.96	18
Universidad Nacional Autónoma de Mexico	0.99	19
Oregon Institute of Technology	1.01	20
University of British Columbia	1.05	21
Drexel University	1.07	22
University of Illinois at Urbana-Champaign	1.13	23
Kansas State University	1.24	24
Marquette University	1.34	25
University of Minnesota, Duluth	1.38	26
Virginia Tech	1.41	27
Utah State University	1.53	28
Colorado School of Mines	1.70	29
Northeastern University	1.73	30
Norwich University	1.78	31
Brigham Young University	4.14	NR
Tennessee Tech	0.00	NR
University of Puerto Rico, Mayagüez	0.00	NR

Cost Estimate

Full Name	Estimate	Rank
Missouri University of Science and Technology	\$ 161,535.10	1
Lakehead University	\$ 283,500.00	2
University of California, San Diego	\$ 606,912.97	3
SUNY College of Technology at Canton	\$ 621,968.53	4
University of Florida	\$ 655,995.57	5
California State Polytechnic University, Pomona	\$ 696,505.67	6
University of Connecticut	\$ 837,818.43	7
University of Alaska, Fairbanks	\$ 878,500.00	8
Drexel University	\$ 910,176.60	9
Vanderbilt University	\$ 998,166.20	10
Michigan Technological University	\$ 1,000,870.47	11
Lafayette College	\$ 1,019,000.20	12
University at Buffalo	\$ 1,032,500.00	13
Norwich University	\$ 1,117,405.50	14
Northeastern University	\$ 1,264,978.10	15
Kansas State University	\$ 1,285,119.20	16
Colorado School of Mines	\$ 1,397,682.40	17
Kennesaw State University	\$ 1,437,500.37	18
University of Minnesota, Duluth	\$ 1,471,993.70	19
University of Wisconsin, Platteville	\$ 1,525,679.40	20
Louisiana State University	\$ 1,601,166.69	21
Virginia Tech	\$ 1,879,167.13	22
Youngstown State University	\$ 1,882,709.90	23
University of British Columbia	\$ 1,894,887.60	24
Oregon Institute of Technology	\$ 2,211,200.00	25
Universidad Nacional Autónoma de Mexico	\$ 2,335,992.17	26
University of Illinois at Urbana-Champaign	\$ 2,736,973.70	27
University of California, Berkeley	\$ 3,522,293.60	28
Utah State University	\$ 3,799,488.93	29
University of Alaska, Anchorage	\$ 4,031,070.60	30
Marquette University	\$ 5,795,200.00	31
Brigham Young University	\$ 25,346,785.43	NR
Tennessee Tech	\$ 8,161,628.83	NR
University of Puerto Rico, Mayagüez	\$ 1,967,641.90	NR

Economy

Full Name	Cc	Rank
University of Florida	\$ 729,666.67	1
University at Buffalo	\$ 868,000.00	2
University of Alaska, Fairbanks	\$ 1,120,000.00	3
Youngstown State University	\$ 1,218,500.00	4
Kennesaw State University	\$ 1,341,666.67	5
Lafayette College	\$ 1,667,500.00	6
Louisiana State University	\$ 1,762,500.00	7
California State Polytechnic University, Pomona	\$ 2,013,333.33	8
University of Illinois at Urbana-Champaign	\$ 2,020,000.00	9
University of California, Berkeley	\$ 2,072,000.00	10
University of California, San Diego	\$ 2,078,666.67	11
Michigan Technological University	\$ 2,420,833.33	12
Missouri University of Science and Technology	\$ 2,608,000.00	13
University of British Columbia	\$ 2,671,500.00	14
Virginia Tech	\$ 2,715,833.33	15
Lakehead University	\$ 3,108,000.00	16
University of Alaska, Anchorage	\$ 3,488,000.00	17
University of Connecticut	\$ 3,919,333.33	18
Kansas State University	\$ 4,192,500.00	19
University of Wisconsin, Platteville	\$ 4,341,000.00	20
Universidad Nacional Autónoma de Mexico	\$ 4,546,666.67	21
Colorado School of Mines	\$ 4,962,000.00	22
Norwich University	\$ 4,975,000.00	23
SUNY College of Technology at Canton	\$ 5,285,833.33	24
Utah State University	\$ 5,603,333.33	25
Northeastern University	\$ 6,268,000.00	26
Oregon Institute of Technology	\$ 6,488,000.00	27
Vanderbilt University	\$ 6,796,000.00	28
Drexel University	\$ 6,871,000.00	29
University of Minnesota, Duluth	\$ 8,767,500.00	30
Marquette University	\$ 10,343,000.00	31
Brigham Young University	\$ 10,218,333.33	NR
Tennessee Tech	\$ 18,030,833.33	NR
University of Puerto Rico, Mayagüez	\$ 1,145,500.00	NR

Efficiency

Full Name	Cs	Rank
California State Polytechnic University, Pomona	\$ 840,161.00	1
Michigan Technological University	\$ 1,024,157.20	2
Lafayette College	\$ 1,088,997.20	3
University of Florida	\$ 1,276,328.90	4
University of Alaska, Fairbanks	\$ 1,512,000.00	5
University of California, San Diego	\$ 1,779,489.30	6
Lakehead University	\$ 1,953,000.00	7
University at Buffalo	\$ 2,583,000.00	8
Youngstown State University	\$ 2,633,665.90	9
Vanderbilt University	\$ 2,777,470.80	10
Missouri University of Science and Technology	\$ 2,930,464.90	11
University of Connecticut	\$ 3,018,485.10	12
Louisiana State University	\$ 3,078,500.00	13
SUNY College of Technology at Canton	\$ 3,086,135.20	14
Oregon Institute of Technology	\$ 3,181,500.00	15
Kennesaw State University	\$ 3,211,831.70	16
University of Alaska, Anchorage	\$ 3,220,657.60	17
University of Wisconsin, Platteville	\$ 3,342,320.60	18
University of California, Berkeley	\$ 3,456,166.60	19
University of British Columbia	\$ 3,527,491.20	20
Universidad Nacional Autónoma de Mexico	\$ 3,989,325.50	21
University of Illinois at Urbana-Champaign	\$ 4,216,973.70	22
Drexel University	\$ 4,218,823.40	23
University of Minnesota, Duluth	\$ 4,504,493.70	24
Virginia Tech	\$ 4,996,477.80	25
Kansas State University	\$ 5,592,619.20	26
Colorado School of Mines	\$ 5,756,650.60	27
Northeastern University	\$ 5,996,978.10	28
Utah State University	\$ 6,196,155.60	29
Marquette University	\$ 6,764,200.00	30
Norwich University	\$ 7,836,117.50	31
Brigham Young University	\$ 23,471,820.10	NR
Tennessee Tech	\$ 1,145,795.50	NR
University of Puerto Rico, Mayagüez	\$ 89,163.10	NR

Overall

Full Name	Cc + Cs	Rank
University of Florida	\$ 2,005,995.57	1
University of Alaska, Fairbanks	\$ 2,632,000.00	2
Lafayette College	\$ 2,756,497.20	3
California State Polytechnic University, Pomona	\$ 2,853,494.33	4
Michigan Technological University	\$ 3,444,990.53	5
University at Buffalo	\$ 3,451,000.00	6
Youngstown State University	\$ 3,852,165.90	7
University of California, San Diego	\$ 3,858,155.97	8
Kennesaw State University	\$ 4,553,498.37	9
Louisiana State University	\$ 4,841,000.00	10
Lakehead University	\$ 5,061,000.00	11
University of California, Berkeley	\$ 5,528,166.60	12
Missouri University of Science and Technology	\$ 5,538,464.90	13
University of British Columbia	\$ 6,198,991.20	14
University of Illinois at Urbana-Champaign	\$ 6,236,973.70	15
University of Alaska, Anchorage	\$ 6,708,657.60	16
University of Connecticut	\$ 6,937,818.43	17
University of Wisconsin, Platteville	\$ 7,683,320.60	18
Virginia Tech	\$ 7,712,311.13	19
SUNY College of Technology at Canton	\$ 8,371,968.53	20
Universidad Nacional Autónoma de Mexico	\$ 8,535,992.17	21
Vanderbilt University	\$ 9,573,470.80	22
Oregon Institute of Technology	\$ 9,669,500.00	23
Kansas State University	\$ 9,785,119.20	24
Colorado School of Mines	\$ 10,718,650.60	25
Drexel University	\$ 11,089,823.40	26
Utah State University	\$ 11,799,488.93	27
Northeastern University	\$ 12,264,978.10	28
Norwich University	\$ 12,811,117.50	29
University of Minnesota, Duluth	\$ 13,271,993.70	30
Marquette University	\$ 17,107,200.00	31
Brigham Young University	\$ 33,690,153.43	NR
Tennessee Tech	\$ 19,176,628.83	NR
University of Puerto Rico, Mayagüez	\$ 1,234,663.10	NR