



Student Steel Bridge Competition - Category Ranking

Competition:	National Finals
Location:	Ruston, Louisiana
Date:	Saturday, June 1, 2024
Die Roll Result:	4

Overall

Full Name	Cc + Cs	Rank
University of Florida	\$ 7,724,092.82	1
University at Buffalo	\$ 9,364,053.22	2
Lafayette College	\$ 9,417,081.90	3
University of Alaska, Fairbanks	\$ 9,422,300.48	4
University of California, San Diego	\$ 9,817,212.98	5
University of Wisconsin, Platteville	\$ 10,335,216.90	6
Virginia Tech	\$ 10,364,922.49	7
California State Polytechnic University, Pomona	\$ 11,228,210.72	8
Michigan Technological University	\$ 11,482,306.48	9
University of California, Davis	\$ 11,482,982.89	10
Drexel University	\$ 11,726,996.65	11
California State University, Northridge	\$ 11,925,152.04	12
New Jersey Institute of Technology	\$ 12,368,539.03	13
Missouri University of Science and Technology	\$ 12,415,644.76	14
University of British Columbia	\$ 12,876,327.61	15
University of North Carolina at Charlotte	\$ 12,903,678.24	16
University of Minnesota, Duluth	\$ 13,481,202.17	17
Auburn University	\$ 13,485,674.86	18
Kennesaw State University	\$ 13,730,283.90	19
Utah State University	\$ 13,865,895.43	20
South Dakota School of Mines and Technology	\$ 14,191,472.07	21
University of Puerto Rico, Mayagüez	\$ 14,261,550.80	22
Universidad Panamericana, Guadalajara	\$ 14,980,769.32	23
University of North Dakota	\$ 15,182,577.07	24
Universidad Nacional Autónoma de Mexico	\$ 15,253,788.13	25
Liberty University	\$ 15,283,228.37	26
Université Laval	\$ 15,757,762.12	27
Christian Brothers University	\$ 16,953,044.61	28
New York University Tandon School of Engineering	\$ 17,898,059.05	29
University of Connecticut	\$ 18,427,614.54	30
SUNY College of Technology at Canton	\$ 18,456,262.06	31
University of Texas at Arlington	\$ 19,371,793.00	32
University of Michigan	\$ 21,071,583.60	33
California State Polytechnic University, San Luis Obispo	\$ 21,722,015.27	34
University of New Orleans	\$ 21,803,290.43	35
George Mason University	\$ 22,805,154.32	36
Louisiana Tech University	\$ 23,899,831.75	37
University of Nevada, Las Vegas	\$ 24,914,435.26	38
Western Kentucky University	\$ 26,714,516.31	39
Pennsylvania State University, University Park	\$ 27,691,384.68	40
University of Texas at Tyler, Houston Engineering Center	\$ 29,508,426.90	41
University of Missouri, Columbia	\$ 34,241,242.88	42
William Jewell College	\$ 36,838,315.96	43
Youngstown State University	\$ 64,586,307.02	44
Brigham Young University	\$ 18,085,829.69	NR
Harding University	\$ 20,571,084.26	NR
Trine University	\$ 79,030,590.55	NR

Construction Speed

Full Name	Time (minutes)	Rank
William Jewell College	4.50	1
University at Buffalo	6.10	2
University of California, Davis	6.37	3
Youngstown State University	7.57	4
Lafayette College	7.62	5
California State University, Northridge	8.55	6
University of Puerto Rico, Mayagüez	8.78	7
New Jersey Institute of Technology	9.38	8
Missouri University of Science and Technology	9.83	9
University of Alaska, Fairbanks	10.30	10
California State Polytechnic University, Pomona	10.55	11
Universidad Panamericana, Guadalajara	11.13	12
Kennesaw State University	11.27	13
South Dakota School of Mines and Technology	11.40	14
University of Florida	11.62	15
Universidad Nacional Autónoma de Mexico	11.73	16
University of Minnesota, Duluth	11.73	17
University of California, San Diego	12.03	18
Drexel University	12.85	19
Michigan Technological University	12.87	20
Utah State University	13.40	21
University of North Dakota	13.52	22
University of Texas at Arlington	14.30	23
Virginia Tech	14.40	24
California State Polytechnic University, San Luis Obispo	14.77	25
University of Wisconsin, Platteville	15.12	26
Christian Brothers University	15.30	27
George Mason University	15.62	28
University of British Columbia	16.02	29
Auburn University	16.12	30
University of Connecticut	16.12	31
University of North Carolina at Charlotte	16.33	32
New York University Tandon School of Engineering	16.47	33
Louisiana Tech University	19.22	34
Western Kentucky University	19.63	35
Université Laval	20.32	36
University of New Orleans	21.22	37
Liberty University	21.30	38
SUNY College of Technology at Canton	21.47	39
University of Missouri, Columbia	22.60	40
University of Nevada, Las Vegas	23.30	41
University of Texas at Tyler, Houston Engineering Center	26.35	42
Pennsylvania State University, University Park	29.43	43
University of Michigan	39.47	44
Brigham Young University	27.07	NR
Harding University	24.12	NR
Trine University	32.28	NR

Lightness

Full Name	Weight (lbs)	Rank
University of Florida	206.1	1
Liberty University	208.8	2
University of Connecticut	215.9	3
University of Puerto Rico, Mayagüez	218.8	4
Drexel University	219.7	5
University of California, Davis	225.4	6
University at Buffalo	229.2	7
New Jersey Institute of Technology	231.7	8
California State University, Northridge	232.5	9
Youngstown State University	233.4	10
Michigan Technological University	234.0	11
Auburn University	236.8	12
Virginia Tech	239.3	13
Missouri University of Science and Technology	240.2	14
Utah State University	240.5	15
California State Polytechnic University, Pomona	240.9	16
Western Kentucky University	241.9	17
University of North Carolina at Charlotte	243.0	18
Université Laval	249.8	19
Universidad Nacional Autónoma de Mexico	250.3	20
University of Alaska, Fairbanks	262.3	21
Kennesaw State University	266.5	22
University of Nevada, Las Vegas	266.7	23
Lafayette College	267.0	24
University of British Columbia	270.4	25
New York University Tandon School of Engineering	275.8	26
Louisiana Tech University	279.6	27
George Mason University	281.2	28
University of Michigan	282.2	29
University of California, San Diego	288.4	30
University of Texas at Tyler, Houston Engineering Center	310.7	31
University of North Dakota	325.8	32
University of Wisconsin, Platteville	327.2	33
Pennsylvania State University, University Park	333.9	34
California State Polytechnic University, San Luis Obispo	339.5	35
University of New Orleans	339.7	36
South Dakota School of Mines and Technology	374.5	37
SUNY College of Technology at Canton	394.3	38
University of Texas at Arlington	411.3	39
Universidad Panamericana, Guadalajara	412.6	40
William Jewell College	445.4	41
University of Missouri, Columbia	477.6	42
University of Minnesota, Duluth	498.1	43
Christian Brothers University	619.8	44
Brigham Young University	279.4	NR
Harding University	238.3	NR
Trine University	380.0	NR

Aesthetics

Full Name	Score	Rank
Virginia Tech	14.33	1
University of Michigan	13.33	2
University of Texas at Tyler, Houston Engineering Center	13.00	3
University of North Carolina at Charlotte	13.00	4
Utah State University	12.75	5
George Mason University	12.67	6
Liberty University	12.67	7
Louisiana Tech University	12.50	8
Youngstown State University	12.50	9
Université Laval	12.33	10
Pennsylvania State University, University Park	12.00	11
Universidad Nacional Autónoma de Mexico	11.75	12
University of Alaska, Fairbanks	11.75	13
University of North Dakota	11.67	14
University of Missouri, Columbia	11.67	15
South Dakota School of Mines and Technology	11.67	16
University of Minnesota, Duluth	11.50	17
University of Nevada, Las Vegas	11.33	18
Trine University	11.33	19
University of California, San Diego	11.00	20
Drexel University	11.00	21
University of Wisconsin, Platteville	11.00	22
Missouri University of Science and Technology	10.67	23
University of Puerto Rico, Mayagüez	10.33	24
Christian Brothers University	10.33	25
SUNY College of Technology at Canton	10.33	26
University of Texas at Arlington	10.00	27
New Jersey Institute of Technology	10.00	28
Michigan Technological University	10.00	29
California State University, Northridge	9.33	30
University of New Orleans	9.33	31
University of British Columbia	9.00	32
University at Buffalo	9.00	33
Brigham Young University	8.67	34
Harding University	8.67	35
Lafayette College	8.67	36
Universidad Panamericana, Guadalajara	8.33	37
University of Florida	8.33	38
Kennesaw State University	8.00	39
William Jewell College	8.00	40
California State Polytechnic University, Pomona	8.00	41
New York University Tandon School of Engineering	7.67	42
University of California, Davis	7.67	43
Auburn University	7.67	44
Western Kentucky University	7.33	45
University of Connecticut	7.33	46
California State Polytechnic University, San Luis Obispo	5.67	47

Stiffness

Full Name	Agg D (in)	Rank
University of Wisconsin, Platteville	0.68	1
University of Alaska, Fairbanks	0.79	2
University of California, San Diego	0.98	3
University of Florida	1.01	4
Universidad Panamericana, Guadalajara	1.03	5
Lafayette College	1.11	6
Virginia Tech	1.12	7
Michigan Technological University	1.15	8
University at Buffalo	1.22	9
University of British Columbia	1.24	10
California State Polytechnic University, Pomona	1.31	11
Drexel University	1.33	12
South Dakota School of Mines and Technology	1.36	13
University of North Dakota	1.42	14
Utah State University	1.47	15
University of North Carolina at Charlotte	1.50	16
California State University, Northridge	1.52	17
Missouri University of Science and Technology	1.56	18
New Jersey Institute of Technology	1.57	19
University of Texas at Arlington	1.63	20
University of California, Davis	1.66	21
University of Michigan	1.69	22
Université Laval	1.69	23
Auburn University	1.73	24
Liberty University	1.74	25
Kennesaw State University	1.77	26
University of Minnesota, Duluth	1.79	27
Christian Brothers University	1.81	28
SUNY College of Technology at Canton	2.06	29
University of Nevada, Las Vegas	2.16	30
University of Connecticut	2.16	31
Universidad Nacional Autónoma de Mexico	2.17	32
University of New Orleans	2.25	33
University of Puerto Rico, Mayagüez	2.31	34
Pennsylvania State University, University Park	2.34	35
University of Missouri, Columbia	2.55	36
University of Texas at Tyler, Houston Engineering Center	2.67	37
New York University Tandon School of Engineering	2.68	38
George Mason University	2.86	39
Louisiana Tech University	2.93	40
California State Polytechnic University, San Luis Obispo	3.06	41
Western Kentucky University	3.13	42
William Jewell College	4.83	43
Youngstown State University	10.00	44
Brigham Young University	1.79	NR
Harding University	1.51	NR
Trine University	10.00	NR

Cost Estimate

Full Name	Estimate	Rank
University of Texas at Tyler, Houston Engineering Center	\$ 51,573.10	1
University of Connecticut	\$ 72,385.46	2
Pennsylvania State University, University Park	\$ 360,225.68	3
University of Texas at Arlington	\$ 543,500.00	4
University of Alaska, Fairbanks	\$ 718,799.48	5
University at Buffalo	\$ 840,244.22	6
University of Wisconsin, Platteville	\$ 908,886.90	7
Utah State University	\$ 965,895.43	8
Louisiana Tech University	\$ 1,100,168.25	9
California State Polytechnic University, Pomona	\$ 1,168,210.72	10
South Dakota School of Mines and Technology	\$ 1,174,090.07	11
University of British Columbia	\$ 1,359,686.61	12
Liberty University	\$ 1,447,796.37	13
New Jersey Institute of Technology	\$ 1,451,562.03	14
Michigan Technological University	\$ 1,464,956.48	15
University of Florida	\$ 1,467,208.82	16
Virginia Tech	\$ 1,664,922.49	17
Universidad Nacional Autónoma de Mexico	\$ 1,787,004.13	18
University of Nevada, Las Vegas	\$ 1,800,114.26	19
Drexel University	\$ 1,816,996.65	20
University of California, San Diego	\$ 2,045,901.98	21
Lafayette College	\$ 2,081,775.90	22
New York University Tandon School of Engineering	\$ 2,122,288.05	23
Missouri University of Science and Technology	\$ 2,347,034.76	24
Université Laval	\$ 2,417,986.12	25
Universidad Panamericana, Guadalajara	\$ 2,657,416.68	26
University of Minnesota, Duluth	\$ 2,959,500.17	27
University of Missouri, Columbia	\$ 3,341,659.88	28
University of New Orleans	\$ 3,366,858.43	29
California State University, Northridge	\$ 3,392,460.04	30
Auburn University	\$ 3,568,724.86	31
University of North Carolina at Charlotte	\$ 3,903,678.24	32
University of California, Davis	\$ 4,128,523.89	33
Kennesaw State University	\$ 4,239,368.90	34
University of North Dakota	\$ 4,463,383.07	35
George Mason University	\$ 4,505,063.32	36
University of Michigan	\$ 4,543,343.60	37
Christian Brothers University	\$ 4,744,384.61	38
University of Puerto Rico, Mayagüez	\$ 6,999,624.80	39
California State Polytechnic University, San Luis Obispo	\$ 7,791,932.27	40
SUNY College of Technology at Canton	\$ 8,456,262.06	41
Western Kentucky University	\$ 8,495,593.31	42
William Jewell College	\$ 10,838,315.96	43
Youngstown State University	\$ 56,439,307.02	44
Brigham Young University	\$ 3,034,475.69	NR
Harding University	\$ 6,571,084.26	NR
Trine University	\$ 53,245,104.55	NR

Economy

Full Name	Cc	Rank
University of Florida	\$ 2,686,833.33	1
William Jewell College	\$ 3,206,250.00	2
University at Buffalo	\$ 3,263,750.00	3
Youngstown State University	\$ 3,323,166.67	4
Lafayette College	\$ 3,346,166.67	5
University of California, Davis	\$ 3,660,833.33	6
University of Minnesota, Duluth	\$ 3,810,500.00	7
University of California, San Diego	\$ 4,009,000.00	8
University of Puerto Rico, Mayagüez	\$ 4,040,333.33	9
California State University, Northridge	\$ 4,591,250.00	10
University of Alaska, Fairbanks	\$ 4,685,500.00	11
California State Polytechnic University, Pomona	\$ 4,800,500.00	12
Missouri University of Science and Technology	\$ 4,841,666.67	13
Virginia Tech	\$ 4,849,250.00	14
New Jersey Institute of Technology	\$ 4,989,166.67	15
Kennesaw State University	\$ 5,025,166.67	16
University of Wisconsin, Platteville	\$ 5,215,250.00	17
Drexel University	\$ 5,281,000.00	18
Universidad Nacional Autónoma de Mexico	\$ 5,292,333.33	19
Auburn University	\$ 5,417,750.00	20
New York University Tandon School of Engineering	\$ 5,443,500.00	21
University of North Carolina at Charlotte	\$ 5,540,000.00	22
Michigan Technological University	\$ 5,761,166.67	23
South Dakota School of Mines and Technology	\$ 6,148,750.00	24
University of British Columbia	\$ 6,422,666.67	25
Utah State University	\$ 6,648,750.00	26
Christian Brothers University	\$ 6,880,500.00	27
University of North Dakota	\$ 7,122,083.33	28
Universidad Panamericana, Guadalajara	\$ 7,132,000.00	29
Liberty University	\$ 7,301,000.00	30
California State Polytechnic University, San Luis Obispo	\$ 7,353,333.33	31
Université Laval	\$ 7,560,666.67	32
SUNY College of Technology at Canton	\$ 8,199,583.33	33
University of Connecticut	\$ 8,698,333.33	34
University of Texas at Arlington	\$ 9,430,250.00	35
George Mason University	\$ 9,565,500.00	36
Louisiana Tech University	\$ 10,399,583.33	37
University of New Orleans	\$ 11,224,583.33	38
University of Michigan	\$ 12,499,750.00	39
Western Kentucky University	\$ 12,997,000.00	40
University of Nevada, Las Vegas	\$ 14,647,000.00	41
Pennsylvania State University, University Park	\$ 16,274,166.67	42
University of Texas at Tyler, Houston Engineering Center	\$ 16,861,500.00	43
University of Missouri, Columbia	\$ 19,452,000.00	44
Brigham Young University	\$ 9,148,000.00	NR
Harding University	\$ 13,217,083.33	NR
Trine University	\$ 16,995,500.00	NR

Efficiency

Full Name	Cs	Rank
University of Alaska, Fairbanks	\$ 4,736,800.48	1
University of Florida	\$ 5,037,259.49	2
University of Wisconsin, Platteville	\$ 5,119,966.90	3
Virginia Tech	\$ 5,515,672.49	4
Michigan Technological University	\$ 5,721,139.81	5
University of California, San Diego	\$ 5,808,212.98	6
Lafayette College	\$ 6,070,915.23	7
University at Buffalo	\$ 6,100,303.22	8
California State Polytechnic University, Pomona	\$ 6,427,710.72	9
Drexel University	\$ 6,445,996.65	10
University of British Columbia	\$ 6,453,660.95	11
Utah State University	\$ 7,217,145.43	12
California State University, Northridge	\$ 7,333,902.04	13
University of North Carolina at Charlotte	\$ 7,363,678.24	14
New Jersey Institute of Technology	\$ 7,379,372.36	15
Missouri University of Science and Technology	\$ 7,573,978.09	16
University of California, Davis	\$ 7,822,149.56	17
Universidad Panamericana, Guadalajara	\$ 7,848,769.32	18
Liberty University	\$ 7,982,228.37	19
South Dakota School of Mines and Technology	\$ 8,042,722.07	20
University of North Dakota	\$ 8,060,493.74	21
Auburn University	\$ 8,067,924.86	22
Université Laval	\$ 8,197,095.46	23
University of Michigan	\$ 8,571,833.60	24
Kennesaw State University	\$ 8,705,117.24	25
University of Minnesota, Duluth	\$ 9,670,702.17	26
University of Connecticut	\$ 9,729,281.21	27
University of Texas at Arlington	\$ 9,941,543.00	28
Universidad Nacional Autónoma de Mexico	\$ 9,961,454.79	29
Christian Brothers University	\$ 10,072,544.61	30
University of Puerto Rico, Mayagüez	\$ 10,221,217.47	31
SUNY College of Technology at Canton	\$ 10,256,678.73	32
University of Nevada, Las Vegas	\$ 10,267,435.26	33
University of New Orleans	\$ 10,578,707.10	34
Pennsylvania State University, University Park	\$ 11,417,218.02	35
New York University Tandon School of Engineering	\$ 12,454,559.05	36
University of Texas at Tyler, Houston Engineering Center	\$ 12,646,926.90	37
George Mason University	\$ 13,239,654.32	38
Louisiana Tech University	\$ 13,500,248.42	39
Western Kentucky University	\$ 13,717,516.31	40
California State Polytechnic University, San Luis Obispo	\$ 14,368,681.94	41
University of Missouri, Columbia	\$ 14,789,242.88	42
William Jewell College	\$ 33,632,065.96	43
Youngstown State University	\$ 61,263,140.35	44
Brigham Young University	\$ 8,937,829.69	NR
Harding University	\$ 7,354,000.93	NR
Trine University	\$ 62,035,090.55	NR

Not Ranked

Full Name	Ineligibility	Reason
Brigham Young University	9.3	Excessive dimensional violation
Harding University	10.6.4	Adding/removing items or builders to/from site.
Trine University	11.2.3.7	Vertical load cannot be safely placed on bridge.
Auburn University	None	
California State Polytechnic University, Pomona	None	
California State Polytechnic University, San Luis Obispo	None	
California State University, Northridge	None	
Christian Brothers University	None	
Drexel University	None	
George Mason University	None	
Kennesaw State University	None	
Lafayette College	None	
Liberty University	None	
Louisiana Tech University	None	
Michigan Technological University	None	
Missouri University of Science and Technology	None	
New Jersey Institute of Technology	None	
New York University Tandon School of Engineering	None	
Pennsylvania State University, University Park	None	
South Dakota School of Mines and Technology	None	
SUNY College of Technology at Canton	None	
Universidad Nacional Autónoma de Mexico	None	
Universidad Panamericana, Guadalajara	None	
University at Buffalo	None	
University of Alaska, Fairbanks	None	
University of British Columbia	None	
University of California, Davis	None	
University of California, San Diego	None	
University of Connecticut	None	
University of Florida	None	
University of Michigan	None	
University of Minnesota, Duluth	None	
University of Missouri, Columbia	None	
University of Nevada, Las Vegas	None	
University of New Orleans	None	
University of North Carolina at Charlotte	None	
University of North Dakota	None	
University of Puerto Rico, Mayagüez	None	
University of Texas at Arlington	None	
University of Texas at Tyler, Houston Engineering Center	None	
University of Wisconsin, Platteville	None	
Université Laval	None	
Utah State University	None	
Virginia Tech	None	
Western Kentucky University	None	
William Jewell College	None	
Youngstown State University	None	