

2014 ASCE/AISC Student Steel Bridge Competition Category Ranking Sheet

Version Date: 1/21/14

Competition: 2014 National Student Steel Bridge Competition

Location: University of Akron

Date: 23-24 May 2014

S = 5

Ineligibilities		Construction Speed			Lightness		
Chapter	IE	Chapter	Time	Rank	Chapter	Weight	Rank
The College of New Jersey	DNP	Clemson University	5.88	1	University of California, Davis	79	1
University of Southern California	DNP	New Mexico Institute of Mining and Technology	7.12	2	California Polytechnic, San Luis Obispo	91	2
Arkansas State University	None	University of Missouri Science and Technology	7.27	3	University of California, Berkeley	96	3
California Polytechnic, Pomona	None	Worcester Polytechnic Institute	7.30	4	University of Wisconsin Madison	96	4
California Polytechnic, San Luis Obispo	None	SUNY Buffalo	8.12	5	University of Florida	103	5
Clemson University	None	University of California, Berkeley	8.37	6	Massachusetts Institute of Technology	107	6
Colorado School of Mines	None	University of California, Davis	8.95	7	Lafayette College	121	7
École de technologie supérieure	None	New Jersey Institute of Technology	9.98	8	SUNY College of Technology at Canton	133	8
George Washington	None	Southern Polytechnic State University	10.12	9	SUNY Buffalo	136	9
Georgia Institute of Technology	None	University of Florida	10.23	10	Texas A&M - College Station	137	10
Kansas State University	None	California Polytechnic, San Luis Obispo	10.23	11	Oregon State University	137	11
Lafayette College	None	University of Wisconsin Madison	10.85	12	Southern Polytechnic State University	140	12
Lakehead University	None	University of Pitt Johnstown	11.10	13	École de technologie supérieure	146	13
Massachusetts Institute of Technology	None	Georgia Institute of Technology	11.12	14	Georgia Institute of Technology	147	14
Michigan State University	None	Massachusetts Institute of Technology	11.30	15	Milwaukee School of Engineering	163	15
Milwaukee School of Engineering	None	École de technologie supérieure	11.60	16	Kansas State University	174	16
Minnesota State University, Mankato	None	SUNY College of Technology at Canton	11.83	17	University of Puerto Rico Mayagüez Campus	175	17
New Jersey Institute of Technology	None	University of Connecticut	11.97	18	Colorado School of Mines	176	18
New Mexico Institute of Mining and Technology	None	Michigan State University	12.37	19	University of Central Florida	181	19
Oregon State University	None	Western Kentucky	12.57	20	University of British Columbia	182	20
South Dakota School of Mining and Technology	None	Oregon State University	12.78	21	Western Kentucky	183	21
Southern Illinois University - Edwardsville	None	University of British Columbia	13.20	22	Arkansas State University	190	22
Southern Polytechnic State University	None	Southern Illinois University - Edwardsville	13.25	23	Clemson University	191	23
SUNY Buffalo	None	Kansas State University	13.37	24	New Jersey Institute of Technology	212	24
SUNY College of Technology at Canton	None	Lafayette College	13.92	25	Universidad Autonoma del Estado de Mexico	218	25
Texas A&M - College Station	None	Youngstown University	14.38	26	Michigan State University	224	26
The Citadel	None	University of Central Florida	14.65	27	Washington State University	225	27
Trine University	None	Universidad Autonoma del Estado de Mexico	14.75	28	Youngstown University	239	28
Universidad Autonoma del Estado de Mexico	None	University of Virginia	14.78	29	Lakehead University	248	29
University of Akron	None	Colorado School of Mines	14.92	30	University of Pitt Johnstown	256	30
University of British Columbia	None	California Polytechnic, Pomona	14.98	31	UT - San Antonio	267	31
University of California, Berkeley	None	UT - San Antonio	15.07	32	University of Connecticut	267	32
University of California, Davis	None	University of Puerto Rico Mayagüez Campus	15.17	33	University of Akron	271	33
University of Central Florida	None	University of Michigan	16.82	34	New Mexico Institute of Mining and Technology	277	34
University of Connecticut	None	University of Akron	17.20	35	University of Michigan	280	35
University of Florida	None	Trine University	17.28	36	Southern Illinois University - Edwardsville	284	36
University of Hawaii at Manoa	None	University of Hawaii at Manoa	18.03	37	Minnesota State University, Mankato	317	37
University of Michigan	None	Milwaukee School of Engineering	18.45	38	University of Hawaii at Manoa	334	38
University of Missouri Science and Technology	None	Lakehead University	18.72	39	University of Missouri Science and Technology	343	39
University of Pitt Johnstown	None	South Dakota School of Mining and Technology	18.85	40	Worcester Polytechnic Institute	348	40
University of Puerto Rico Mayagüez Campus	None	Arkansas State University	19.63	41	University of Virginia	355	41
University of Tennessee at Martin	None	Texas A&M - College Station	24.18	42	South Dakota School of Mining and Technology	369	42
University of Virginia	None	George Washington	26.03	43	Trine University	421	43
University of Wisconsin Madison	None	The Citadel	26.37	44	The Citadel	429	44
UT - San Antonio	None	University of Tennessee at Martin	29.15	45	California Polytechnic, Pomona	462	45
Washington State University	None	Washington State University	31.57	46	George Washington	796	46
Western Kentucky	None	Minnesota State University, Mankato	186.50	47	University of Tennessee at Martin	934	47
Worcester Polytechnic Institute	None	The College of New Jersey	---	---	The College of New Jersey	---	---
Youngstown University	None	University of Southern California	---	---	University of Southern California	---	---

Display			Stiffness			Economy		
Chapter	Score	Rank	Chapter	Agg Δ	Rank	Chapter	C _c	Rank
Youngstown University	1	1	University of Hawaii at Manoa	0.546	1	Clemson University	\$882,500	1
Lakehead University	2	2	Lafayette College	0.612	2	University of Missouri Science and Technology	\$1,090,000	2
Georgia Institute of Technology	3	3	University of Florida	0.678	3	New Mexico Institute of Mining and Technology	\$1,423,333	3
University of Wisconsin Madison	4	4	Massachusetts Institute of Technology	0.721	4	SUNY Buffalo	\$1,623,333	4
Milwaukee School of Engineering	5	5	New Jersey Institute of Technology	0.753	5	University of Pitt Johnstown	\$1,665,000	5
New Jersey Institute of Technology	6	6	University of California, Davis	0.780	6	University of California, Berkeley	\$1,673,333	6
Oregon State University	7	7	University of Puerto Rico Mayagüez Campus	0.785	7	Massachusetts Institute of Technology	\$1,695,000	7
Southern Illinois University - Edwardsville	8	8	Lakehead University	0.792	8	École de technologie supérieure	\$1,740,000	8
South Dakota School of Mining and Technology	9	9	University of Connecticut	0.809	9	University of California, Davis	\$1,790,000	9
University of Hawaii at Manoa	10	10	École de technologie supérieure	0.840	10	University of British Columbia	\$1,980,000	10
University of British Columbia	11	11	California Polytechnic, Pomona	0.877	11	New Jersey Institute of Technology	\$1,996,667	11
UT - San Antonio	12	12	Washington State University	0.888	12	Kansas State University	\$2,005,000	12
Colorado School of Mines	13	13	University of Wisconsin Madison	0.925	13	University of Florida	\$2,046,667	13
University of California, Davis	14	14	Youngstown University	0.960	14	California Polytechnic, San Luis Obispo	\$2,046,667	14
University of Central Florida	15	15	Milwaukee School of Engineering	1.080	15	Lafayette College	\$2,087,500	15
University of California, Berkeley	16	16	South Dakota School of Mining and Technology	1.098	16	University of Wisconsin Madison	\$2,170,000	16
Minnesota State University, Mankato	17	17	University of Central Florida	1.135	17	Worcester Polytechnic Institute	\$2,190,000	17
California Polytechnic, Pomona	18	18	University of California, Berkeley	1.138	18	Georgia Institute of Technology	\$2,223,333	18
Massachusetts Institute of Technology	19	19	Michigan State University	1.204	19	Western Kentucky	\$2,513,333	19
Kansas State University	20	20	UT - San Antonio	1.227	20	Oregon State University	\$2,556,667	20
Michigan State University	21	21	Oregon State University	1.253	21	Lakehead University	\$2,807,500	21
Universidad Autonoma del Estado de Mexico	22	22	Southern Polytechnic State University	1.440	22	Youngstown University	\$2,876,667	22
University of Pitt Johnstown	23	23	University of Michigan	1.492	23	University of Central Florida	\$2,930,000	23
University of Florida	24	24	California Polytechnic, San Luis Obispo	1.588	24	SUNY College of Technology at Canton	\$2,958,333	24
Washington State University	25	25	SUNY College of Technology at Canton	1.604	25	Colorado School of Mines	\$2,983,333	25
Trine University	26	26	Georgia Institute of Technology	1.649	26	California Polytechnic, Pomona	\$2,996,667	26
École de technologie supérieure	27	27	The Citadel	1.706	27	UT - San Antonio	\$3,013,333	27
Texas A&M - College Station	28	28	Universidad Autonoma del Estado de Mexico	1.813	28	Southern Polytechnic State University	\$3,035,000	28
University of Michigan	29	29	Arkansas State University	1.834	29	Michigan State University	\$3,091,667	29
University of Puerto Rico Mayagüez Campus	30	30	Colorado School of Mines	2.081	30	Southern Illinois University - Edwardsville	\$3,312,500	30
California Polytechnic, San Luis Obispo	31	31	SUNY Buffalo	2.207	31	University of Michigan	\$3,363,333	31
Arkansas State University	32	32	Minnesota State University, Mankato	2.572	32	University of Akron	\$3,440,000	32
SUNY Buffalo	33	33	University of Tennessee at Martin	2.714	33	Trine University	\$3,456,667	33
University of Missouri Science and Technology	34	34	Texas A&M - College Station	2.874	34	University of Virginia	\$3,695,833	34
University of Connecticut	35	35	George Washington	2.883	35	South Dakota School of Mining and Technology	\$3,770,000	35
The Citadel	36	36	University of Missouri Science and Technology	2.928	36	The Citadel	\$3,955,000	36
SUNY College of Technology at Canton	37	37	University of Virginia	3.003	37	University of Connecticut	\$4,393,333	37
Southern Polytechnic State University	38	38	University of Pitt Johnstown	3.181	38	Universidad Autonoma del Estado de Mexico	\$4,425,000	38
Western Kentucky	39	39	Kansas State University	3.377	39	University of Puerto Rico Mayagüez Campus	\$4,550,000	39
Lafayette College	40	40	Worcester Polytechnic Institute	3.498	40	Milwaukee School of Engineering	\$4,612,500	40
George Washington	41	41	Southern Illinois University - Edwardsville	3.650	41	Washington State University	\$4,735,000	41
Clemson University	42	42	New Mexico Institute of Mining and Technology	3.753	42	Texas A&M - College Station	\$4,836,667	42
Worcester Polytechnic Institute	43	43	Trine University	4.524	43	Arkansas State University	\$4,908,333	43
New Mexico Institute of Mining and Technology	44	44	Western Kentucky	4.668	44	University of Tennessee at Martin	\$5,830,000	44
University of Tennessee at Martin	45	45	University of Akron	4.773	45	University of Hawaii at Manoa	\$6,410,000	45
University of Virginia	46	46	University of British Columbia	4.775	46	George Washington	\$7,810,000	46
University of Akron	47	47	Clemson University	5.514	47	Minnesota State University, Mankato	\$37,300,000	47
The College of New Jersey	---	---	The College of New Jersey	---	---	The College of New Jersey	---	---
University of Southern California	---	---	University of Southern California	---	---	University of Southern California	---	---

Efficiency			Overall		
Chapter	C _s	Rank	Chapter	C _c + C _s	Rank
University of California, Davis	\$2,368,000	1	University of California, Davis	\$4,158,000	1
University of Florida	\$2,738,000	2	Massachusetts Institute of Technology	\$4,560,000	2
University of Wisconsin Madison	\$2,849,000	3	University of California, Berkeley	\$4,723,333	3
Massachusetts Institute of Technology	\$2,865,000	4	University of Florida	\$4,784,667	4
Lafayette College	\$3,024,000	5	University of Wisconsin Madison	\$5,019,000	5
University of California, Berkeley	\$3,050,000	6	Lafayette College	\$5,111,500	6
California Polytechnic, San Luis Obispo	\$3,408,000	7	California Polytechnic, San Luis Obispo	\$5,454,667	7
École de technologie supérieure	\$3,764,000	8	École de technologie supérieure	\$5,504,000	8
Oregon State University	\$4,001,000	9	Oregon State University	\$6,557,667	9
Southern Polytechnic State University	\$4,232,000	10	SUNY Buffalo	\$6,558,333	10
SUNY College of Technology at Canton	\$4,256,000	11	Georgia Institute of Technology	\$6,816,333	11
University of Puerto Rico Mayagüez Campus	\$4,293,000	12	New Jersey Institute of Technology	\$6,989,667	12
Milwaukee School of Engineering	\$4,348,000	13	SUNY College of Technology at Canton	\$7,214,333	13
Georgia Institute of Technology	\$4,593,000	14	Southern Polytechnic State University	\$7,267,000	14
University of Central Florida	\$4,751,000	15	University of Central Florida	\$7,681,000	15
SUNY Buffalo	\$4,935,000	16	Lakehead University	\$8,563,500	16
New Jersey Institute of Technology	\$4,993,000	17	Colorado School of Mines	\$8,592,333	17
Washington State University	\$5,396,000	18	Youngstown University	\$8,624,667	18
Colorado School of Mines	\$5,609,000	19	Michigan State University	\$8,771,667	19
Texas A&M - College Station	\$5,618,000	20	University of Puerto Rico Mayagüez Campus	\$8,843,000	20
Arkansas State University	\$5,630,000	21	Kansas State University	\$8,870,000	21
Michigan State University	\$5,680,000	22	Milwaukee School of Engineering	\$8,960,500	22
Youngstown University	\$5,748,000	23	UT - San Antonio	\$9,580,333	23
Lakehead University	\$5,756,000	24	University of Pitt Johnstown	\$9,970,000	24
University of Connecticut	\$6,153,000	25	Washington State University	\$10,131,000	25
Universidad Autonoma del Estado de Mexico	\$6,177,000	26	Clemson University	\$10,216,500	26
UT - San Antonio	\$6,567,000	27	University of British Columbia	\$10,399,000	27
Kansas State University	\$6,865,000	28	Texas A&M - College Station	\$10,454,667	28
University of Michigan	\$7,092,000	29	University of Michigan	\$10,455,333	29
University of Hawaii at Manoa	\$7,234,000	30	Arkansas State University	\$10,538,333	30
University of Pitt Johnstown	\$8,305,000	31	University of Connecticut	\$10,546,333	31
Western Kentucky	\$8,324,000	32	Universidad Autonoma del Estado de Mexico	\$10,602,000	32
University of British Columbia	\$8,419,000	33	New Mexico Institute of Mining and Technology	\$10,720,333	33
South Dakota School of Mining and Technology	\$8,478,000	34	Western Kentucky	\$10,837,333	34
Minnesota State University, Mankato	\$8,916,000	35	University of Missouri Science and Technology	\$10,874,000	35
New Mexico Institute of Mining and Technology	\$9,297,000	36	South Dakota School of Mining and Technology	\$12,248,000	36
Southern Illinois University - Edwardsville	\$9,330,000	37	Southern Illinois University - Edwardsville	\$12,642,500	37
Clemson University	\$9,334,000	38	Worcester Polytechnic Institute	\$12,652,000	38
University of Missouri Science and Technology	\$9,784,000	39	California Polytechnic, Pomona	\$13,109,667	39
University of Virginia	\$10,111,000	40	University of Akron	\$13,629,000	40
California Polytechnic, Pomona	\$10,113,000	41	University of Hawaii at Manoa	\$13,644,000	41
University of Akron	\$10,189,000	42	University of Virginia	\$13,806,833	42
The Citadel	\$10,286,000	43	The Citadel	\$14,241,000	43
Worcester Polytechnic Institute	\$10,462,000	44	Trine University	\$16,404,667	44
Trine University	\$12,948,000	45	George Washington	\$26,609,000	45
George Washington	\$18,799,000	46	University of Tennessee at Martin	\$27,216,000	46
University of Tennessee at Martin	\$21,386,000	47	Minnesota State University, Mankato	\$46,216,000	47
The College of New Jersey	---	---	The College of New Jersey	---	---
University of Southern California	---	---	University of Southern California	---	---