

2012 ASCE/AISC Student Steel Bridge Competition Category Ranking Sheet

Version Date: 5/3/2012

Competition: National Student Steel Bridge Competition  
 Location: Clemson University  
 Date: 25-26 May 2012

S1 = 2  
 S2 = 6

Ineligibilities			Construction Speed			Lightness			Display		
Chapter	IE		Chapter	Time	Rank	Chapter	Weight	Rank	Chapter	Score	Rank
Brigham Young University	None		University of California, Berkeley	4.97	1	Michigan Technological University	120	1	Milwaukee School of Engineering	1	1
California Polytechnic State University, San Luis Obispo	None		California Polytechnic State University, San Luis Obispo	5.92	2	Lakehead University	129	2	Vanderbilt University	2	2
California State University, Northridge	None		SUNY College of Technology at Canton	6.70	3	University of California, Berkeley	131	3	University of Nevada, Las Vegas	3	3
Catholic University of America	None		Massachusetts Institute of Technology	6.85	4	University of California, Davis	132	4	University of Wisconsin at Madison	4	4
Clemson University	None		Michigan Technological University	6.93	5	University of Wisconsin at Madison	135	5	Drexel University	5	5
Colorado School of Mines	None		Portland State University	7.50	6	Massachusetts Institute of Technology	143	6	Kansas State University	6	6
Drexel University	None		Brigham Young University	7.67	7	Temple University	147	7	University Akron	7	7
Ecole de Technologie Superieure International	None		University of Wisconsin at Madison	7.70	8	Portland State University	156	8	Lakehead University	8	8
Georgia Tech	None		New Jersey Institute of Technology	8.05	9	University of Missouri-Kansas City	157	9	Northwestern University	9	9
Kansas State University	None		Lakehead University	8.70	10	University of Florida	159	10	Utah State University	10	10
Lakehead University	None		University of California, Davis	9.00	11	SUNY College of Technology at Canton	161	11	California State University, Northridge	11	11
Louisiana State University	None		University of Texas-El Paso	9.17	12	New Jersey Institute of Technology	161	12	University of Missouri-Columbia	12	12
Massachusetts Institute of Technology	None		Clemson University	9.32	13	University of Alaska Fairbanks	163	13	SUNY College of Technology at Canton	13	13
Michigan Technological University	None		Colorado School of Mines	9.50	14	Brigham Young University	163	14	University of Alaska Fairbanks	14	14
Milwaukee School of Engineering	None		Drexel University	9.57	15	Clemson University	165	15	University of New Hampshire	15	15
New Jersey Institute of Technology	None		University Akron	10.32	16	University of Michigan	167	16	Universidad Autonoma del Estado de Mexico	16	16
Northwestern University	None		University of Minnesota-Twin Cities	10.50	17	California Polytechnic State University, San Luis Obispo	167	17	University of California, Berkeley	17	17
NYC College of Technology	None		Washington State University	10.83	18	Youngstown State University	169	18	Clemson University	18	18
Portland State University	None		University of New Hampshire	11.33	19	University of Minnesota-Twin Cities	172	19	New Jersey Institute of Technology	18	18
SUNY College of Technology at Canton	None		University of Florida	11.57	20	California State University, Northridge	176	20	Michigan Technological University	20	20
Temple University	None		Utah State University	11.67	21	Ecole de Technologie Superieure International	182	21	Ecole de Technologie Superieure International	21	21
Texas A&M University	None		University of Nevada, Las Vegas	12.25	22	Kansas State University	184	22	University of Missouri-Kansas City	22	22
Tongji University	None		Vanderbilt University	12.52	23	University of Texas-El Paso	188	23	Georgia Tech	23	23
Universidad Autonoma del Estado de Mexico	None		Universidad Autonoma del Estado de Mexico	12.65	24	University Akron	189	24	Texas A&M University	24	24
Universite de Laval	None		University of Michigan	13.67	25	Colorado School of Mines	196	25	Louisiana State University	25	25
University Akron	None		Temple University	13.75	26	University of Nevada, Las Vegas	198	26	Portland State University	26	26
University of Alaska Fairbanks	None		University of Alaska Fairbanks	13.77	27	Utah State University	214	27	Massachusetts Institute of Technology	27	27
University of California, Berkeley	None		University of Missouri-Kansas City	15.77	28	Georgia Tech	214	28	Colorado School of Mines	28	28
University of California, Davis	None		Ecole de Technologie Superieure International	15.88	29	Milwaukee School of Engineering	223	29	Temple University	29	29
University of Florida	None		California State University, Northridge	16.03	30	Washington State University	240	30	California Polytechnic State University, San Luis Obispo	30	30
University of Illinois at Urbana-Champaign	None		Kansas State University	17.52	31	University of New Hampshire	253	31	Brigham Young University	31	31
University of Louisiana at Lafayette	None		Georgia Tech	17.80	32	Vanderbilt University	254	32	University of Virginia	32	32
University of Louisville	None		Milwaukee School of Engineering	19.07	33	University of Louisiana at Lafayette	339	33	University of Florida	33	33
University of Michigan	None		University of Louisiana at Lafayette	24.72	34	Louisiana State University	341	34	University of South Florida	34	34
University of Minnesota-Twin Cities	None		Youngstown State University	26.03	35	Drexel University	467	35	University of California, Davis	35	35
University of Missouri-Columbia	None		Louisiana State University	26.08	36	Universidad Autonoma del Estado de Mexico	529	36	Tongji University	36	36
University of Missouri-Kansas City	None		University of South Florida	37.82	37	Texas A&M University	820	37	University of Louisiana at Lafayette	37	37
University of Nevada, Las Vegas	None		Universite de Laval	41.00	38	Universite de Laval	827	38	University of Texas-El Paso	38	38
University of New Hampshire	None		Texas A&M University	43.43	39	Northwestern University	866	39	University of Michigan	39	39
University of South Florida	None		Tongji University	45.77	40	University of Missouri-Columbia	951	40	Catholic University of America	40	40
University of Texas-El Paso	None		NYC College of Technology	46.33	41	Tongji University	952	41	NYC College of Technology	41	41
University of Virginia	None		University of Illinois at Urbana-Champaign	47.05	42	Catholic University of America	966	42	University of Louisville	42	42
University of Wisconsin at Madison	None		University of Missouri-Columbia	49.93	43	University of Louisville	1064	43	Youngstown State University	43	43
Utah State University	None		Northwestern University	50.12	44	University of South Florida	1066	44	Washington State University	44	44
Vanderbilt University	None		University of Louisville	51.32	45	University of Illinois at Urbana-Champaign	1186	45	Universite de Laval	45	45
Washington State University	None		University of Virginia	55.37	46	NYC College of Technology	1268	46	University of Illinois at Urbana-Champaign	46	46
Youngstown State University	None		Catholic University of America	57.82	47	University of Virginia	1415	47	University of Minnesota-Twin Cities	47	47

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Stiffness			Economy			Efficiency			Overall		
Chapter	Agg Δ	Rank	Chapter	C <sub>c</sub>	Rank	Chapter	C <sub>e</sub>	Rank	Chapter	C <sub>c</sub> + C <sub>e</sub>	Rank
University of Louisiana at Lafayette	0.511	1	University of California, Berkeley	\$1,241,667	1	Michigan Technological University	\$1,943,000	1	University of California, Berkeley	\$3,302,667	1
University Akron	0.610	2	Massachusetts Institute of Technology	\$1,370,000	2	University of California, Berkeley	\$2,061,000	2	Massachusetts Institute of Technology	\$3,658,000	2
California Polytechnic State University, San Luis Obispo	0.672	3	California Polytechnic State University, San Luis Obispo	\$1,479,167	3	University of Wisconsin at Madison	\$2,145,000	3	California Polytechnic State University, San Luis Obispo	\$3,823,167	3
Michigan Technological University	0.739	4	University Akron	\$1,547,500	4	Lakehead University	\$2,217,000	4	Michigan Technological University	\$4,023,000	4
Colorado School of Mines	0.745	5	University of New Hampshire	\$1,700,000	5	University of California, Davis	\$2,280,000	5	University Akron	\$4,049,500	5
University of Missouri-Kansas City	0.750	6	University of California, Davis	\$1,800,000	6	Massachusetts Institute of Technology	\$2,288,000	6	University of Wisconsin at Madison	\$4,070,000	6
University of California, Berkeley	0.753	7	Clemson University	\$1,863,333	7	University of Missouri-Kansas City	\$2,320,000	7	University of California, Davis	\$4,080,000	7
University of Texas-El Paso	0.769	8	University of Wisconsin at Madison	\$1,925,000	8	California Polytechnic State University, San Luis Obispo	\$2,344,000	8	SUNY College of Technology at Canton	\$4,439,000	8
Washington State University	0.785	9	SUNY College of Technology at Canton	\$2,010,000	9	Temple University	\$2,412,000	9	Clemson University	\$4,440,833	9
University of Wisconsin at Madison	0.793	10	University of Alaska Fairbanks	\$2,065,000	10	SUNY College of Technology at Canton	\$2,429,000	10	University of Alaska Fairbanks	\$4,655,000	10
SUNY College of Technology at Canton	0.821	11	Michigan Technological University	\$2,080,000	11	University Akron	\$2,502,000	11	Lakehead University	\$4,827,000	11
Utah State University	0.830	12	Portland State University	\$2,250,000	12	University of Michigan	\$2,514,000	12	University of Florida	\$4,831,333	12
University of Michigan	0.846	13	University of Texas-El Paso	\$2,291,667	13	University of Florida	\$2,518,000	13	Portland State University	\$4,867,000	13
Massachusetts Institute of Technology	0.858	14	Brigham Young University	\$2,300,000	14	Clemson University	\$2,577,500	14	University of Texas-El Paso	\$4,938,667	14
Lakehead University	0.923	15	University of Florida	\$2,313,333	15	University of Alaska Fairbanks	\$2,590,000	15	New Jersey Institute of Technology	\$5,070,000	15
Clemson University	0.930	16	Ecole de Technologie Superieure International	\$2,382,500	16	Portland State University	\$2,617,000	16	Brigham Young University	\$5,133,000	16
University of Florida	0.932	17	Drexel University	\$2,391,667	17	University of Texas-El Paso	\$2,647,000	17	University of New Hampshire	\$5,246,000	17
Georgia Tech	0.935	18	New Jersey Institute of Technology	\$2,415,000	18	New Jersey Institute of Technology	\$2,655,000	18	University of Michigan	\$5,247,333	18
Temple University	0.940	19	Lakehead University	\$2,610,000	19	Colorado School of Mines	\$2,705,000	19	Ecole de Technologie Superieure International	\$5,392,500	19
University of Nevada, Las Vegas	0.955	20	Georgia Tech	\$2,670,000	20	Youngstown State University	\$2,747,000	20	Colorado School of Mines	\$5,555,000	20
University of Alaska Fairbanks	0.960	21	Washington State University	\$2,708,333	21	University of Minnesota-Twin Cities	\$2,795,000	21	Georgia Tech	\$5,745,000	21
Louisiana State University	0.960	22	University of Michigan	\$2,733,333	22	California State University, Northridge	\$2,809,000	22	Washington State University	\$5,895,333	22
University of California, Davis	0.960	23	Colorado School of Mines	\$2,850,000	23	Brigham Young University	\$2,833,000	23	University of Minnesota-Twin Cities	\$5,945,000	23
Milwaukee School of Engineering	0.981	24	Vanderbilt University	\$3,129,167	24	University of Nevada, Las Vegas	\$2,931,000	24	California State University, Northridge	\$6,015,667	24
University of New Hampshire	1.012	25	University of Minnesota-Twin Cities	\$3,150,000	25	Utah State University	\$2,966,000	25	Utah State University	\$6,466,000	25
Drexel University	1.019	26	California State University, Northridge	\$3,206,667	26	Ecole de Technologie Superieure International	\$3,010,000	26	Temple University	\$6,537,000	26
New Jersey Institute of Technology	1.043	27	Utah State University	\$3,500,000	27	Kansas State University	\$3,040,000	27	Kansas State University	\$6,543,333	27
California State University, Northridge	1.047	28	Kansas State University	\$3,503,333	28	Georgia Tech	\$3,075,000	28	University of Nevada, Las Vegas	\$6,606,000	28
Youngstown State University	1.055	29	University of Nevada, Las Vegas	\$3,675,000	29	Washington State University	\$3,187,000	29	Youngstown State University	\$6,652,000	29
Portland State University	1.059	30	Universidad Autonoma del Estado de Mexico	\$3,795,000	30	Milwaukee School of Engineering	\$3,213,000	30	Vanderbilt University	\$6,873,167	30
University of Minnesota-Twin Cities	1.075	31	Youngstown State University	\$3,905,000	31	University of New Hampshire	\$3,546,000	31	University of Missouri-Kansas City	\$7,050,000	31
Ecole de Technologie Superieure International	1.194	32	Temple University	\$4,125,000	32	Vanderbilt University	\$3,744,000	32	Drexel University	\$8,082,667	32
Brigham Young University	1.201	33	University of Missouri-Kansas City	\$4,730,000	33	University of Louisiana at Lafayette	\$3,899,000	33	Milwaukee School of Engineering	\$8,933,000	33
Kansas State University	1.204	34	Milwaukee School of Engineering	\$5,720,000	34	Louisiana State University	\$4,370,000	34	University of Louisiana at Lafayette	\$10,078,167	34
Vanderbilt University	1.208	35	Universite de Laval	\$6,150,000	35	Drexel University	\$5,691,000	35	Universidad Autonoma del Estado de Mexico	\$10,729,000	35
Universidad Autonoma del Estado de Mexico	1.642	36	University of Louisiana at Lafayette	\$6,179,167	36	Universidad Autonoma del Estado de Mexico	\$6,934,000	36	Louisiana State University	\$12,195,000	36
Northwestern University	30.000	37	University of Missouri-Columbia	\$7,490,000	37	Texas A&M University	\$38,196,000	37	Universite de Laval	\$44,422,000	37
University of Missouri-Columbia	30.000	38	University of South Florida	\$7,563,333	38	University of South Florida	\$38,272,000	38	University of Missouri-Columbia	\$47,004,000	38
Texas A&M University	30.000	39	Louisiana State University	\$7,825,000	39	Northwestern University	\$38,664,000	39	University of South Florida	\$48,221,333	39
University of Virginia	30.000	40	Tongji University	\$9,153,333	40	University of Missouri-Columbia	\$39,514,000	40	Tongji University	\$48,673,333	40
University of South Florida	30.000	41	Texas A&M University	\$13,030,000	41	Tongji University	\$39,520,000	41	Texas A&M University	\$51,226,000	41
Tongji University	30.000	42	NYC College of Technology	\$13,900,000	42	Catholic University of America	\$39,658,000	42	Northwestern University	\$53,699,000	42
Catholic University of America	30.000	43	University of Illinois at Urbana-Champaign	\$14,115,000	43	University of Louisville	\$40,642,000	43	Catholic University of America	\$54,112,167	43
NYC College of Technology	30.000	44	Catholic University of America	\$14,454,167	44	University of South Florida	\$40,658,000	44	University of Illinois at Urbana-Champaign	\$55,975,000	44
University of Louisville	30.000	45	Northwestern University	\$15,035,000	45	University of Illinois at Urbana-Champaign	\$41,860,000	45	University of Louisville	\$56,037,000	45
Universite de Laval	30.000	46	University of Louisville	\$15,395,000	46	NYC College of Technology	\$42,678,000	46	NYC College of Technology	\$56,578,000	46
University of Illinois at Urbana-Champaign	30.000	47	University of Virginia	\$16,610,000	47	University of Virginia	\$44,152,000	47	University of Virginia	\$60,762,000	47