

2005 ASCE/AISC Student Steel Bridge Competition Category Ranking Sheet

Competition: 2005 National Student Steel Bridge Competition
 Location: University of Central Florida
 Date: 5/28/2005

Disqualifications		Construction Speed			Lightness			Aesthetics		
Chapter	DQ	Chapter	Time	Rank	Chapter	Weight	Rank	Chapter	Score	Rank
Kansas State Univ.	8.1.3	Calif State U Long Beach	2.483	1	Univ. of Michigan	118.0	1	Univ. of Calif., San Diego	1	1
Univ. of No. Carolina, Charlott	8.1.3	Univ. of Tennessee at Knoxville	3.083	2	Lakehead Univ.	141.0	2	le di Technologie Superieure U	2	2
Arkansas State University	None	Univ. of Calif., Davis	3.633	3	Univ. of Alaska Fairbanks	145.0	3	Texas A&M Univ. - Kingsville	3	3
Calif State U - Chico	None	SUNY - Canton	4.650	4	Univ. of Calif., Davis	171.0	4	North Dakota State Univ.	4	4
Calif State U Long Beach	None	Louisiana State Univ.	4.717	5	University of Florida	172.0	5	Univ. of British Columbia	5	5
Clarkson Univ.	None	Stevens Institute of Tech.	4.733	6	Univ. of Illinois at Urbana, Champ	193.0	6	Iowa State Univ.	6	6
Clemson Univ.	None	Univ. of So. California	4.883	7	Louisiana State Univ.	195.0	7	Virginia Tech	7	7
le di Technologie Superieure U	None	University of Florida	5.217	8	le di Technologie Superieure U	197.0	8	Louisiana State Univ.	8	8
Hudson Valley CC	None	Univ. of Calif., San Diego	5.883	9	Southern Polytechnical Univ.	202.0	9	Calif State U - Chico	9	9
Iowa State Univ.	None	North Dakota State Univ.	5.967	10	North Dakota State Univ.	205.0	10	Lakehead Univ.	10	10
Lafayette College	None	le di Technologie Superieure U	6.183	11	Penn State Univ.	219.0	11	New Jersey Inst. of Tech.	11	11
Lakehead Univ.	None	Penn State Univ.	6.400	12	So. Illinois Univ. - Carbondale	219.0	12	Portland State Univ.	12	12
Louisiana State Univ.	None	Univ. of Illinois at Urbana, Champ	6.883	13	Univ. of Calif., San Diego	235.0	13	Univ. of New Mexico	13	13
New Jersey Inst. of Tech.	None	Hudson Valley CC	7.000	14	Lafayette College	238.0	14	Univ. of Illinois at Urbana, Champ	14	14
New Mexico State Univ.	None	Calif State U - Chico	7.033	15	Calif State U Long Beach	246.0	15	Univ. of Central Florida	15	15
North Dakota State Univ.	None	Lakehead Univ.	7.200	16	Texas A&M Univ.	248.0	16	Old Dominion Univ.	16	16
Northeastern Univ.	None	Oklahoma State Univ.	7.658	17	Univ. of British Columbia	264.0	17	Northeastern Univ.	17	17
Norwich Univ.	None	New Mexico State Univ.	7.917	18	Ohio State Univ.	265.0	18	Western Kentucky Univ.	18	18
Ohio State Univ.	None	Univ. of Michigan	8.400	19	Univ. of Tennessee at Knoxville	272.0	19	Southern Polytechnical Univ.	19	19
Oklahoma State Univ.	None	Univ. of Alaska Fairbanks	8.550	20	Oklahoma State Univ.	277.0	20	Clarkson Univ.	20	20
Old Dominion Univ.	None	Virginia Tech	8.650	21	Clarkson Univ.	280.0	21	Clemson Univ.	21	21
Penn State Univ.	None	Western Kentucky Univ.	8.967	22	Calif State U - Chico	281.0	22	Univ. of Wisconsin, Madison	22	22
Portland State Univ.	None	Univ. of British Columbia	9.367	23	Western Kentucky Univ.	296.0	23	Univ. La Salle	23	23
So. Illinois Univ. - Carbondale	None	Southern Polytechnical Univ.	9.483	24	Portland State Univ.	303.0	24	Univ. of Michigan	24	24
Southern Polytechnical Univ.	None	Texas A&M Univ.	11.267	25	New Jersey Inst. of Tech.	316.0	25	Oklahoma State Univ.	25	25
Stevens Institute of Tech.	None	Ohio State Univ.	11.800	26	New Mexico State Univ.	335.0	26	Penn State Univ.	26	26
SUNY - Canton	None	Texas A&M Univ. - Kingsville	12.517	27	SUNY - Canton	337.0	27	Texas A&M Univ.	27	27
Texas A&M Univ.	None	Portland State Univ.	17.417	28	Northeastern Univ.	340.0	28	New Mexico State Univ.	28	28
Texas A&M Univ. - Kingsville	None	Lafayette College	17.483	29	Stevens Institute of Tech.	370.0	29	Norwich Univ.	29	29
Univ. La Salle	None	New Jersey Inst. of Tech.	19.450	30	Virginia Tech	379.0	30	Calif State U Long Beach	30	30
Univ. of Alaska Fairbanks	None	Univ. La Salle	19.933	31	Arkansas State University	380.0	31	Lafayette College	32	31
Univ. of British Columbia	None	Clarkson Univ.	20.833	32	Univ. of New Mexico	386.0	32	SUNY - Canton	32	31
Univ. of Calif., Davis	None	So. Illinois Univ. - Carbondale	23.742	33	Hudson Valley CC	389.0	33	Univ. of Alaska Fairbanks	33	33
Univ. of Calif., San Diego	None	Northeastern Univ.	31.600	34	Texas A&M Univ. - Kingsville	478.0	34	So. Illinois Univ. - Carbondale	34	34
Univ. of Central Florida	None	Arkansas State University	33.317	35	Univ. of So. California	545.0	35	Ohio State Univ.	35	35
Univ. of Illinois at Urbana, Champ	None	Univ. of Wisconsin, Madison	37.867	36	Clemson Univ.	600.0	36	Univ. of Calif., Davis	36	36
Univ. of Michigan	None	Iowa State Univ.	38.817	37	Univ. of Wisconsin, Madison	733.0	37	Stevens Institute of Tech.	37	37
Univ. of New Mexico	None	Clemson Univ.	39.500	38	Norwich Univ.	780.0	38	University of Florida	38	38
Univ. of So. California	None	Old Dominion Univ.	46.200	39	Iowa State Univ.	889.0	39	Hudson Valley CC	39	39
Univ. of Tennessee at Knoxville	None	Univ. of New Mexico	50.300	40	Univ. of Central Florida	926.0	40	Univ. of So. California	40	40
Univ. of Wisconsin, Madison	None	Univ. of Central Florida	58.058	41	Old Dominion Univ.	1078.0	41	Univ. of Tennessee at Knoxville	41	41
University of Florida	None	Norwich Univ.	74.150	42	Univ. La Salle	1495.0	42	Arkansas State University	42	42
Virginia Tech	None	Kansas State Univ.	9999.990	43	Kansas State Univ.	9999.0	43	Kansas State Univ.	9999	43
Western Kentucky Univ.	None	Univ. of No. Carolina, Charlott	9999.990	43	Univ. of No. Carolina, Charlott	9999.0	43	Univ. of No. Carolina, Charlott	9999	43

Note: Aesthetics breaks all ties

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Competition: 2005 National Student Steel Bridge Competition

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Date: 5/28/2005

Stiffness			Economy			Efficiency			Overall		
Chapter	Agg Δ	Rank	Chapter	C _c	Rank	Chapter	C _s	Rank	Chapter	C _c + C _s	Rank
So. Illinois Univ. - Carbondale	0.200	1	Calif State U Long Beach	\$745,000	1	Univ. of Calif., Davis	\$427,500	1	Univ. of Calif., Davis	\$1,335,833	1
Univ. of Calif., Davis	0.200	2	Univ. of Calif., Davis	\$908,333	2	University of Florida	\$533,200	2	University of Florida	\$1,837,367	2
Western Kentucky Univ.	0.290	3	Univ. of Tennessee at Knoxville	\$925,000	3	So. Illinois Univ. - Carbondale	\$547,500	3	Louisiana State Univ.	\$2,310,167	3
University of Florida	0.310	4	Louisiana State Univ.	\$1,179,167	4	Univ. of Michigan	\$566,400	4	North Dakota State Univ.	\$2,466,500	4
North Dakota State Univ.	0.330	5	Stevens Institute of Tech.	\$1,183,333	5	North Dakota State Univ.	\$676,500	5	SUNY - Canton	\$2,507,100	5
SUNY - Canton	0.330	6	University of Florida	\$1,304,167	6	le di Technologie Superieure U	\$847,100	6	Univ. of Alaska Fairbanks	\$2,565,500	6
Oklahoma State Univ.	0.420	7	SUNY - Canton	\$1,395,000	7	Univ. of Alaska Fairbanks	\$855,500	7	Univ. of Michigan	\$2,666,400	7
le di Technologie Superieure U	0.430	8	Calif State U - Chico	\$1,406,667	8	Western Kentucky Univ.	\$858,400	8	Calif State U - Chico	\$2,671,167	8
New Jersey Inst. of Tech.	0.430	9	Univ. of So. California	\$1,465,000	9	Southern Polytechnical Univ.	\$989,800	9	le di Technologie Superieure U	\$2,702,100	9
Virginia Tech	0.440	10	Penn State Univ.	\$1,600,000	10	SUNY - Canton	\$1,112,100	10	Univ. of Calif., San Diego	\$2,940,000	10
Clarkson Univ.	0.440	11	Univ. of Alaska Fairbanks	\$1,710,000	11	Louisiana State Univ.	\$1,131,000	11	Oklahoma State Univ.	\$3,077,983	11
Calif State U - Chico	0.450	12	Virginia Tech	\$1,730,000	12	Oklahoma State Univ.	\$1,163,400	12	Western Kentucky Univ.	\$3,100,067	12
Univ. of Michigan	0.480	13	Hudson Valley CC	\$1,750,000	13	Univ. of Calif., San Diego	\$1,175,000	13	Lakehead Univ.	\$3,280,500	13
Southern Polytechnical Univ.	0.490	14	Univ. of Calif., San Diego	\$1,765,000	14	Clarkson Univ.	\$1,232,000	14	Southern Polytechnical Univ.	\$3,360,633	14
Univ. of Calif., San Diego	0.500	15	North Dakota State Univ.	\$1,790,000	15	Calif State U - Chico	\$1,264,500	15	Virginia Tech	\$3,397,600	15
Texas A&M Univ. - Kingsville	0.540	16	Lakehead Univ.	\$1,800,000	16	New Jersey Inst. of Tech.	\$1,358,800	16	Univ. of Illinois at Urbana, Champ.	\$3,493,200	16
Louisiana State Univ.	0.580	17	le di Technologie Superieure U	\$1,855,000	17	Univ. of Illinois at Urbana, Champ.	\$1,428,200	17	Penn State Univ.	\$3,680,500	17
Univ. of Alaska Fairbanks	0.590	18	Oklahoma State Univ.	\$1,914,583	18	Lakehead Univ.	\$1,480,500	18	Univ. of British Columbia	\$4,295,267	18
Portland State Univ.	0.650	19	New Mexico State Univ.	\$1,979,167	19	Virginia Tech	\$1,667,600	19	Calif State U Long Beach	\$4,877,800	19
Lafayette College	0.710	20	Univ. of Illinois at Urbana, Champ.	\$2,065,000	20	Lafayette College	\$1,689,800	20	Univ. of Tennessee at Knoxville	\$5,168,200	20
Arkansas State University	0.720	21	Univ. of Michigan	\$2,100,000	21	Univ. of British Columbia	\$1,953,600	21	Lafayette College	\$5,186,467	21
Univ. of British Columbia	0.740	22	Western Kentucky Univ.	\$2,241,667	22	Portland State Univ.	\$1,969,500	22	New Jersey Inst. of Tech.	\$5,248,800	22
Univ. of Illinois at Urbana, Champ	0.740	23	Univ. of British Columbia	\$2,341,667	23	Penn State Univ.	\$2,080,500	23	Portland State Univ.	\$5,452,833	23
Penn State Univ.	0.950	24	Southern Polytechnical Univ.	\$2,370,833	24	Texas A&M Univ. - Kingsville	\$2,581,200	24	Texas A&M Univ.	\$5,643,867	24
Univ. of So. California	0.990	25	Texas A&M Univ.	\$2,816,667	25	Arkansas State University	\$2,736,000	25	Ohio State Univ.	\$5,732,500	25
Lakehead Univ.	1.050	26	Ohio State Univ.	\$2,950,000	26	Ohio State Univ.	\$2,782,500	26	Hudson Valley CC	\$6,067,900	26
Ohio State Univ.	1.050	27	Portland State Univ.	\$3,483,333	27	Texas A&M Univ.	\$2,827,200	27	Texas A&M Univ. - Kingsville	\$6,336,200	27
Hudson Valley CC	1.110	28	Lafayette College	\$3,496,667	28	Calif State U Long Beach	\$4,132,800	28	Univ. of So. California	\$6,860,500	28
Texas A&M Univ.	1.140	29	Texas A&M Univ. - Kingsville	\$3,755,000	29	Univ. of Tennessee at Knoxville	\$4,243,200	29	Stevens Institute of Tech.	\$7,029,333	29
Univ. of New Mexico	1.220	30	New Jersey Inst. of Tech.	\$3,890,000	30	Hudson Valley CC	\$4,317,900	30	New Mexico State Univ.	\$7,272,167	30
Univ. La Salle	1.480	31	Univ. La Salle	\$5,980,000	31	Univ. of New Mexico	\$4,709,200	31	Clarkson Univ.	\$7,482,000	31
Univ. of Tennessee at Knoxville	1.560	32	Clarkson Univ.	\$6,250,000	32	New Mexico State Univ.	\$5,293,000	32	So. Illinois Univ. - Carbondale	\$7,670,000	32
New Mexico State Univ.	1.580	33	Northeastern Univ.	\$6,320,000	33	Univ. of So. California	\$5,395,500	33	Arkansas State University	\$11,065,167	33
Stevens Institute of Tech.	1.580	34	So. Illinois Univ. - Carbondale	\$7,122,500	34	Stevens Institute of Tech.	\$5,846,000	34	Northeastern Univ.	\$16,010,000	34
Calif State U Long Beach	1.680	35	Univ. of Wisconsin, Madison	\$7,573,333	35	Northeastern Univ.	\$9,690,000	35	Univ. of New Mexico	\$17,284,200	35
Northeastern Univ.	2.850	36	Arkansas State University	\$8,329,167	36	Univ. La Salle	\$22,126,000	36	Univ. La Salle	\$28,106,000	36
Iowa State Univ.	60.000	37	Clemson Univ.	\$9,875,000	37	Clemson Univ.	\$360,000,000	37	Clemson Univ.	\$369,875,000	37
Univ. of Central Florida	60.000	38	Old Dominion Univ.	\$11,550,000	38	Univ. of Wisconsin, Madison	\$439,800,000	38	Univ. of Wisconsin, Madison	\$447,373,333	38
Old Dominion Univ.	60.000	39	Iowa State Univ.	\$11,645,000	39	Norwich Univ.	\$468,000,000	39	Norwich Univ.	\$482,830,000	39
Clemson Univ.	60.000	40	Univ. of New Mexico	\$12,575,000	40	Iowa State Univ.	\$533,400,000	40	Iowa State Univ.	\$545,045,000	40
Univ. of Wisconsin, Madison	60.000	41	Univ. of Central Florida	\$14,514,583	41	Univ. of Central Florida	\$555,600,000	41	Univ. of Central Florida	\$570,114,583	41
Norwich Univ.	60.000	42	Norwich Univ.	\$14,830,000	42	Old Dominion Univ.	\$646,800,000	42	Old Dominion Univ.	\$658,350,000	42
Kansas State Univ.	9999.990	43	Kansas State Univ.	\$999,999,999	43	Kansas State Univ.	\$999,999,999	43	Kansas State Univ.	\$999,999,999	43
Univ. of No. Carolina, Charlotte	9999.990	43	Univ. of No. Carolina, Charlotte	\$999,999,999	43	Univ. of No. Carolina, Charlotte	\$999,999,999	43	Univ. of No. Carolina, Charlotte	\$999,999,999	43

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