



## Student Steel Bridge Competition - Category Ranking

<b>Competition:</b>	Upstate New York-Canada
<b>Location:</b>	Troy, New York
<b>Date:</b>	Friday, April 12, 2024
<b>Die Roll Result:</b>	2

### Not Ranked

Full Name	Ineligibility	Reason
Clarkson University	4	Did not complete competition.
SUNY Polytechnic Institute	10.8.2	Construction Time Limit Exceeded. 45 minutes
United States Military Academy	None	
University of Waterloo	None	
SUNY College of Technology at Canton	None	
Syracuse University	None	
Rensselaer Polytechnic Institute	None	
University at Buffalo	None	
Rochester Institute of Technology	None	
Cornell University	None	

### Construction Speed

Full Name	Time (minutes)	Rank
University at Buffalo	7.20	1
SUNY College of Technology at Canton	13.73	2
Rensselaer Polytechnic Institute	16.68	3
United States Military Academy	21.92	4
Rochester Institute of Technology	23.82	5
University of Waterloo	42.45	6
Cornell University	42.92	7
Syracuse University	54.43	8
SUNY Polytechnic Institute	9999.00	NR
Clarkson University	0.00	NR

### Lightness

Full Name	Weight (lbs)	Rank
University at Buffalo	209.8	1
United States Military Academy	232.5	2
Rensselaer Polytechnic Institute	278.1	3
Syracuse University	300.0	4
University of Waterloo	375.7	5
Rochester Institute of Technology	392.7	6
SUNY College of Technology at Canton	394.7	7
Cornell University	510.2	8
SUNY Polytechnic Institute	40.0	NR
Clarkson University	0.0	NR

## Aesthetics

Full Name	Score	Rank
Clarkson University	0.00	-1
Rochester Institute of Technology	11.00	1
University of Waterloo	10.00	2
SUNY Polytechnic Institute	9.00	3
Rensselaer Polytechnic Institute	8.00	4
SUNY College of Technology at Canton	7.00	5
United States Military Academy	6.00	6
Cornell University	5.00	7
University at Buffalo	4.00	8
Syracuse University	3.00	9

## Stiffness

Full Name	Agg D (in)	Rank
Rochester Institute of Technology	1.03	1
University at Buffalo	1.10	2
University of Waterloo	1.43	3
SUNY College of Technology at Canton	1.71	4
Rensselaer Polytechnic Institute	2.87	5
United States Military Academy	10.00	6
Cornell University	10.00	7
Syracuse University	10.00	8
SUNY Polytechnic Institute	0.00	NR
Clarkson University	0.00	NR

## Cost Estimate

Full Name	Estimate	Rank
University at Buffalo	\$ 904,510.30	1
University of Waterloo	\$ 3,149,029.30	2
Rochester Institute of Technology	\$ 4,691,865.34	3
SUNY College of Technology at Canton	\$ 4,916,763.90	4
Rensselaer Polytechnic Institute	\$ 5,356,309.26	5
United States Military Academy	\$ 64,305,188.38	6
Cornell University	\$ 82,906,522.61	7
Syracuse University	\$ 94,137,786.67	8
SUNY Polytechnic Institute	\$ 7,858,255,000.00	NR
Clarkson University	\$ -	NR

## Economy

Full Name	Cc	Rank
University at Buffalo	\$ 4,058,750.00	1
SUNY College of Technology at Canton	\$ 6,515,416.67	2
Rensselaer Polytechnic Institute	\$ 11,626,333.33	3
United States Military Academy	\$ 15,627,083.33	4
Rochester Institute of Technology	\$ 16,674,916.67	5
University of Waterloo	\$ 18,802,500.00	6
Cornell University	\$ 34,605,833.33	7
Syracuse University	\$ 36,993,666.67	8
SUNY Polytechnic Institute	\$ 8,049,195,000.00	NR
Clarkson University	\$ (0.00)	NR

## Efficiency

Full Name	Cs	Rank
University at Buffalo	\$ 5,431,550.30	1
Rochester Institute of Technology	\$ 6,747,195.67	2
University of Waterloo	\$ 7,703,364.30	3
SUNY College of Technology at Canton	\$ 8,861,438.23	4
Rensselaer Polytechnic Institute	\$ 13,242,145.93	5
Syracuse University	\$ 60,750,000.00	6
United States Military Academy	\$ 61,253,902.04	7
Cornell University	\$ 62,460,667.28	8
SUNY Polytechnic Institute	\$ 100,000.00	NR
Clarkson University	\$ (0.00)	NR

## Overall

Full Name	Cc + Cs	Rank
University at Buffalo	\$ 9,490,300.30	1
SUNY College of Technology at Canton	\$ 15,376,854.90	2
Rochester Institute of Technology	\$ 23,422,112.34	3
Rensselaer Polytechnic Institute	\$ 24,868,479.26	4
University of Waterloo	\$ 26,505,864.30	5
United States Military Academy	\$ 76,880,985.38	6
Cornell University	\$ 97,066,500.61	7
Syracuse University	\$ 97,743,666.67	8
SUNY Polytechnic Institute	\$ 8,049,295,000.00	NR
Clarkson University	\$ (0.00)	NR