



Student Steel Bridge Competition - Category Ranking

Competition:	Virginias
Location:	Blacksburg, Virginia
Date:	Saturday, March 30, 2024
Die Roll Result:	1

Not Ranked

Full Name	Ineligibility	Reason
West Virginia University Institute of Technology	9.3	Excessive dimensional violation
Old Dominion University	10.8.2	Construction Time Limit Exceeded. 45 minutes
James Madison University	None	
Virginia Military Institute	None	
Virginia Tech	None	
Liberty University	None	
West Virginia University	None	

Construction Speed

Full Name	Time (minutes)	Rank
Liberty University	25.53	1
Virginia Tech	30.62	2
Virginia Military Institute	30.90	3
James Madison University	50.15	4
West Virginia University	190.50	5
Old Dominion University	9999.00	NR
West Virginia University Institute of Technology	9999.00	NR

Lightness

Full Name	Weight (lbs)	Rank
West Virginia University	191.0	1
Virginia Tech	197.4	2
Liberty University	228.6	3
James Madison University	394.8	4
Virginia Military Institute	419.9	5
Old Dominion University	402.9	NR
West Virginia University Institute of Technology	1520.3	NR

Aesthetics

Full Name	Score	Rank
Virginia Tech	14.20	1
Old Dominion University	13.88	2
Liberty University	12.72	3
West Virginia University	11.36	4
Virginia Military Institute	11.17	5
James Madison University	10.78	6
West Virginia University Institute of Technology	5.42	7

Stiffness

Full Name	Agg D (in)	Rank
Virginia Tech	0.67	1
Liberty University	1.37	2
West Virginia University	10.00	3
Virginia Military Institute	10.00	4
James Madison University	10.00	5
Old Dominion University	4.97	NR
West Virginia University Institute of Technology	3.51	NR

Cost Estimate

Full Name	Estimate	Rank
Virginia Tech	\$ 1,630,297.01	1
Liberty University	\$ 2,989,343.80	2
James Madison University	\$ 56,970,432.15	3
Virginia Military Institute	\$ 86,385,945.01	4
West Virginia University	\$ 199,595,102.03	5
Old Dominion University	\$ 9,065,785,018.23	NR
West Virginia University Institute of Technology	\$ 8,994,086,021.88	NR

Economy

Full Name	Cc	Rank
Liberty University	\$ 8,547,750.00	1
Virginia Tech	\$ 9,731,500.00	2
Virginia Military Institute	\$ 31,758,000.00	3
James Madison University	\$ 36,403,000.00	4
West Virginia University	\$ 172,225,000.00	5
Old Dominion University	\$ 9,203,080,000.00	NR
West Virginia University Institute of Technology	\$ 9,199,080,000.00	NR

Efficiency

Full Name	Cs	Rank
Virginia Tech	\$ 3,598,797.01	1
Liberty University	\$ 6,694,240.80	2
West Virginia University	\$ 60,863,025.03	3
James Madison University	\$ 61,395,940.15	4
Virginia Military Institute	\$ 61,627,945.01	5
Old Dominion University	\$ 33,443,976.23	NR
West Virginia University Institute of Technology	\$ 24,381,021.88	NR

Overall

Full Name	Cc + Cs	Rank
Virginia Tech	\$ 13,330,297.01	1
Liberty University	\$ 15,241,990.80	2
Virginia Military Institute	\$ 93,385,945.01	3
James Madison University	\$ 97,798,940.15	4
West Virginia University	\$ 233,088,025.03	5
Old Dominion University	\$ 9,236,523,976.23	NR
West Virginia University Institute of Technology	\$ 9,223,461,021.88	NR