Team Twin Trio

Team Members:
Sharon Voeller
Steven Voeller
Monica Bollinger-Pritchett
Monica
The Organizer
Steven
The Engineer
Sharon
The Steven-keep-in-liner
Rugby, ND
Geographical Center of North America
Drawbridge Near Cartwright, ND
Basic Bridge Designs

- Strength to Weight Ratio = 1498.3

- Strength to Weight Ratio = 1211.3
Bridge Designs

Strength to Weight Ratio = 1443.1

Breaking Load = 6.515 lbs
Structure Wt. = 1.735 grams
Bridge Designs

Strength to Weight Ratio = 328.7

Breaking Load = 1.944 lbs
Structure Wt. = 2.688 grams
Progress
Safety

- Eye Protection Goggles
- General Precautions While Handling Razor Blades
Tools

- Calculator
- Computer
- Cordless Drill
- Disposable Pipettes
- Modeling Knife
- Razor Blade
- Rotary Drill
- Ruler
- Sandpaper
Sources

- ModelSmart v 1.62
- [www.midrivers.com/~fairview/bridges.html](http://www.midrivers.com/~fairview/bridges.html)
- “West Point Bridge Designer 2003.”
- “United States Department of Transportation-Bridge Technology.”
Final Drawbridge