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| **Design Brief** | | |
| Client Company: | Ziglejeva Inc. | |
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| Designers: | Owen Dennis | |
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| Problem Statement: | Using West Point Bridge Designer, each person must design a | |
|  | bridge that is capable of withstanding a truck and its own | |
|  | weight. | |
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| Design Statement: | The objective is to design a bridge using the least amount of | |
|  | Materials that can still hold its own weight based off the | |
|  | geometric shapes that make up the bridge. | |
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| Constraints: | * The minimum cost must be $400,000. | |
|  | * Must be 24 meters above the water. | |
|  | * Cannot exceed 8.5 meters above the river bank. | |
|  | * The deck must be 10 meters wide. | |
|  | * It must withstand a Standard 226 kN truck. | |
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