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| PAGE | TITLE | DATE |
| 2 | Design Brief |  |
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| 6 | Decision Matrix |  |
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| Client: | [Bridges to Prosperity](https://bridgestoprosperity.org/) |
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| Designer: |  |
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| Problem Statement: | Citizens have trouble crossing gorges in isolated rural locations of the world especially in the times of significant rainfall (flooding). By connecting communities, people have access to food, better health, school, and work opportunities. |
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| Design Statement: | Design, build and test a single-span paper bridge that maximizes the weight held by a continuous route of paper. |
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| Specifications: | * The cardstock must form a continuous chain of connectivity from one block to another without touching anything other than the two supports.
* Paper-to-paper linkage will be considered continuous.
* Both blocks are at the same height.
* Cardstock can be modified.
* The final design will include on the testing base and cardstock.
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| Deliverables: | * Engineering Notebook
	+ Design Brief
	+ Research
	+ Initial sketches
	+ Decision matrix
	+ Develop a solution
		- Project Name
		- Technical drawing
		- Bill of materials
		- Directions for Assembly
	+ Test report
	+ Project recommendations
* Prototype
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|  | **SPECIFICATIONS - CRITERIA & CONSTRAINTS** |  |
| **Ideas** |  |  |  |  |  |  |  | **Totals** |
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| 4 | 3 | 2 | 1 |  | 2 | 1 |
| Best |  |  | Worst |  | Yes | No |

