



## Wilderness Resort Water Slide

Scope: Water Slide Tower Replacement

Location: Wisconsin Dells, Wisconsin

Designer: Ramaker Architecture + Engineering & J3 Engineering



Initial plans called for the replacement of the wooden tower with a galvanized steel structure. However, due to the lack of access and the weight of the proposed replacement tower, all planning involved the need to remove the roof to allow for the 125-foot, 50-ton crane that would be needed to remove and reinstall the 45-foot tall structure.

Friede & Associates began exploring other material options for the tower and ultimately determined fiberglass structural elements could be used for this application. This material offered the key benefit of being significantly lighter, and ultimately enabled Friede field personnel to handle even the largest 45-foot beams by hand. This change in direction also eliminated the need to open up the roof of the existing park, thus eliminating the concern of overexposing the waterpark to the outdoor elements. In the end, it saved Wilderness Resort hundreds of thousands of dollars...a true “win-win” scenario.

This project was recognized by the Associated Builders and Contractors (ABC) of Wisconsin as a 2016 Gold Project of Distinction.

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