



## San Francisco – Oakland Bay Bridge Construction – San Francisco, CA

**Contractor:** American Bridge/Fluor Joint Venture

**Project Scope:** The customer required access to the bridge's cables, underside of its roadway deck, and its 525 ft tall tower throughout the eight year construction of the new self-anchor suspension span of the San Francisco – Oakland Bay Bridge in California.

**Challenges:**

- The sloping face of the tower required a platform that could be adjusted as needed.
- As with all bridge projects, working high above rushing water presented a constant challenge.

**Solutions:** American Bridge/Fluor Joint Venture, the general contractor for this massive bridge project, turned to Spider in 2008 for a variety of swing stages, work baskets and hoists. For over six years, they purchased and rented standard Spider equipment.

Spider's experienced engineers also designed a custom platform to reach around the exterior of the tower shaft. The equipments' light weight and easy connections enabled American Bridge/Fluor Joint Venture to change the platform's length as needed to gain better access to the sloping tower face while maximizing the working space on the platforms to maintain productivity.

Spider fall protection equipment including harnesses, safety lines, rope grabs and lanyards was also implemented on-site.

In order to ensure safe, productive equipment operation, Spider's San Francisco-based team provided both Competent Person Training and on-site User Training to American Bridge/Fluor Joint Venture. This significantly contributed to six years without any suspended access mishaps or incidents.

Additionally, Spider equipment was also used by painting and elevator contractors during this bridge construction.

**Customer testimonial:**

"The Bay Bridge project provided many opportunities to think outside the box to get the job done," commented Levi Gatsos, Design Engineer with American Bridge/Fluor Joint Venture. "Spider's engineers and local support team rose to every challenge. All in all, their responsiveness to our needs and our experience with their equipment have been excellent."



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**About Spider:**

Founded in 1947, Spider, a division of SafeWorks, created the powered suspended access business by introducing the well-known Spider basket. Since then, our product and service offering has expanded greatly to serve the needs of an ever-growing marketplace. Spider is the largest manufacturer and distributor of access and safety solutions in North America, serving more customers from more locations with a wider variety of products and services than any other company. From baskets, traction hoist and platform rental, to safety and training, to specialty-engineered products - Spider has a strong team of professionals, along with a national network of sales, service and support capabilities to provide you with the most reliable access solutions available.



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