

# Case Study 8: Bridge Work

## Burlington Bristol Bridge – Philadelphia, PA

**Contractor:** Pennoni Associates Inc.

**Project Scope:**

Renovations to truss bridge's trolley system

**Challenges:**

- Minimal existing walkways to work points
- Working at height with active roadway and river below
- Swift de-rigging of equipment on bridge's active lift-span required to maintain flow of waterway traffic

**Solution:**

Spider provided ST-17 Air Spider work baskets, which allowed access to all areas of renovation and required a single rigging point that could be cleared in just fifteen minutes to keep waterway traffic flowing. Flydecks were added to increase the working swath, eliminating repositioning of equipment and saving valuable time. A series of needle beams, fall protection, and a scaffold hand controlled system at the tower's top level also enabled the work to be completed safely and within the customer's time frame.



**Check out the products featured in this case study:**

ST-17 Air Spider - pages 44-47  
Flydecks - page 68

