

## **AFS 400 Ballast Foundation and Self-Raising Monopole For Crown Castle**

**Santa Rosa, CA**



### **CHALLENGES**

- **Limited space and access.**
- **Significant logistics coordination due to offloading, storage and work space limitations**
- **Quick to install, non-evasive system to meet strict local permitting requirements**

### **OVERVIEW**

ARE Telecom was contracted by Crown Castle to design, manufacture and install our AFS 400 ballasted foundation system and tilt-up/self-raising monopole to support communication antennas for a temporary installation in Santa Rosa, California.

### **SOLUTION**

ARE designed a pole per Crown Castle requirements and matched it with our AFS 400 foundation system. The small footprint of the AFS 400 helped in the permitting process for an installation in a small urban parking lot.

The foundation and pole were off-loaded and installed in 20 man hours. The self-raising pole made it possible for the antennas to be installed on the ground and be erected without the use of a crane. This versatile quick install system sits above ground and has a small footprint of 12m<sup>2</sup>. It is certified to TIA 222 rev G and used for both permanent and temporary installations.

### **Project benchmarks:**

- Crew flexibility and equipment availability allowing for fast installation on short notice
- Antennas installed on ground level eliminating need to climb
- Install AFS 400 foundation and pole within very tight footprint and without use of crane

### **PROJECT RESOURCES**

2 man crew, 1 day assembly of foundation & pole, 1 Skid Steer, local aggregate base used for ballast.



Innovative Solutions for Pole Structures

## AFS 400 SYSTEM INSTALLATION



Site leveled



Assembly of the base



Foundation with sidewalls



Foundation filled with ballast



Foundation & 36' self-raising pole