

AFS 1100 Ballast Foundation and Self-Raising Monopole at 60' For Crown Castle/AT&T Google Building - Palo Alto, CA



OVERVIEW

ARE Telecom was contracted by Crown Castle to design, manufacture and install our AFS ballasted foundation system and tilt-up/self-raising monopole to support communication antennas within the town of Palo Alto.

SOLUTION

ARE designed the pole and foundation system to accommodate the telecommunication cabinets on top of the foundation (adding cabinet holders, fencing and a ladder). The install site was the parking lot of a Google office building. Our system was installed in 3 days, and thanks to the above ground foundation no earth change permit was needed. The self-raising pole made it possible for the antennas to be installed on the ground and did not require a heavy crane to set the pole or dangerous climbing. This versatile quick install system sits above ground and has a small footprint of 15'. It is certified to TIA 222 rev G and used for both permanent and temporary installations.

CHALLENGES

- **Site: parking lot in busy town.**
- **Custom foundation to adapt telecom cabinets.**
- **Quickly deployed over 3 days .**

Project benchmarks:

- Crew flexibility for fast deployment
- Custom design to adapt cabinets on top of foundation
- OSHA ladder and fencing provide access and security for electrical cabinets
- Install 50 ton AFS 1100 foundation and pole within very tight footprint and without use of crane

PROJECT RESOURCES

3 Man Crew, 3 Days, 1 Skid Steer, 1 Telehandler



Innovative Solutions for Pole Structures

AFS 1100 SYSTEM INSTALLATION



Installation site : parking lot



Preassembly of the base



Cabinet holders to be installed inside the foundation



Foundation with arms



Foundation with ballast and pole



Top of cabinet holders inside the foundation



Foundation with fencing and ladder



AFS 1100 foundation & self-raising pole installed