

## AFS 1500 Ballast Foundation and 80' Monopole For Crown Castle - Richfield, UT



### OVERVIEW

ARE Telecom was contracted by Crown Castle to design, manufacture and install our AFS 1500 ballasted foundation system and monopole to support communication antennas for a temporary installation on a remote mountain top in Richfield, UT.

### SOLUTION

ARE designed a 80' pole per Crown Castle requirements and matched it with our AFS 1500 foundation system. The above ground foundation helped in the permitting process for an installation on US Forest Service land.

The installation site was a limited space on a mountain top accessible only through a steep, unmaintained dirt road. The foundation and pole were off-loaded at the base of the mountain and were brought in pieces to the mountain top with a forklift. The installation took 2 days by a crew of 2 men. Our system is certified to TIA 222 rev G and used for both permanent and temporary installations.

### CHALLENGES

- Remote area on mountain top. Limited space and access
- Significant logistics coordination due to offloading, remote site and work space limitations
- Quick to install, non-evasive system to meet strict local permitting requirements

### Project benchmarks:

- Crew flexibility and equipment availability allowing for fast installation on short notice
- Above ground foundation with small footprint on Forest Service land.
- Install AFS 1500 foundation and pole in a very limited area on mountain top.

### PROJECT RESOURCES

2 man crew, 2 day assembly of foundation & pole, 1 telehandler with bucket, local fill used for ballast.



Delivery of the foundation and pole at the base of the mountain



Parts brought to the mountain top with a forklift and assembled on a leveled area



Foundation arm assembly



Foundation with sidewalls and filled with ballast



Foundation & monopole



Foundation with ballast completed



Foundation with pole (1<sup>st</sup> section)