

Ballast Foundation - 80' Monopole

Richfield, Utah



Client: Crown Castle

Location: Richfield, Utah

Date: June 2018

Product:

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.

Benchmarks:

- Crew flexibility and equipment availability allowing for installation under challenging time constraints
- 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 person crew
- 3 day assembly of foundation & pole
- Local fill used for ballast
- Telehandler

Challenges:

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

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AFS 1500

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