

Ballast Foundation - 40' Self-Raising Monopole

Minneapolis, Minnesota



Client: Vertical Limit

Location: Super Bowl

Date: February 2018

Product:

ARE Telecom was contracted by Vertical Limit to install our AFS 400 ballasted foundation system and tilt-up/self-raising monopole to support communication antennas during the Super Bowl 2018.

Solution:

ARE AFS 400 foundation system fit perfectly the requirements of the project thanks to its small foot print which facilitate permitting. It was installed in a tight area on a parking lot close to the stadium.

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 12m2. It is certified to TIA 222 rev G and used for both permanent and temporary installations.

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 Person crew
- 1 day assembly of foundation & pole
- 1 Skid steer
- Concrete blocks used for ballast

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

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AFS 400

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Case Study