

AFS 400 Ballast Foundation and Self-Raising Monopole Super Bowl 2018

Minneapolis, MN



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 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.

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, concrete blocks used for ballast.



Innovative Solutions for Pole Structures

AFS 400 SYSTEM INSTALLATION



AFS 400 system on trailer



Concrete blocks for ballast



Foundation with ballast concrete blocks



Pole installed



Foundation & 40' self-raising pole