



ARE Telecom + Broadband

AFS 1300 Ballast Foundation and 100' Pole US Cellular – Manly IA Water tower



OVERVIEW

US Cellular needed a long-term temporary pole for their relocation while the city's water tower was being repaired.

SOLUTION

After analysis using USC's loading, ARE determined our patented AFS 1300 Ballasted Foundation System would support the 2-tiers of antennas and fit easily within the limited space available for the relocation.

PROJECT BENCHMARKS

- ARE supplied all engineering analysis, structural certifications and antenna mounts for a turn-key solution
- Installation was done on short-notice and completed before schedule
- ARE's Universal Tri or Quad mounts were used featuring clips that hold arms while being bolted for easy 1-man installation while on the pole

CHALLENGES

- Short turn-around time to install
- Small footprint to install
- Rural location with limited tool and equipment availability

PROJECT RESOURCES

- 4 Man Crew 3 Days
- Skid-steer
- Cane
- Hand Tools.



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Top sod removed



Gravel/Rock/Class 5 for ballast & pad



Pad compacted



Kingpost and base trays laid out



All truss arms assembled



Bolts tightened



Ballast added – Pole assembled



Pole raised by hydraulic rams or crane



AFS 1300 & 100' pole

