

CUSTOMER PROFILE:

- Private Company
- Long Island, New York
- Telecom Construction Company

CUSTOMER CHALLENGES:

- Temporary Installation
- Need for 4 Carriers
- Robust Pole and Foundation to Meet High Wind Survivability Requirements for Hurricane Zone
- Small Footprint
- Fast Deployment
- Reusable



CASE STUDY – AFS 1900 INSTALLATION

OVERVIEW

ARE Telecom was contracted to design, certify to local code, manufacture, provide logistics and installation support of a temporary, concrete-free, ballasted foundation and 138' monopole. Foundation and pole system was required to support 4 sets of telecom antenna while conforming to TIA Rev-G codes.

SOLUTION

Scale up our existing AFS 1500 to meet load and height requirements.

Key elements of the AFS System included:

- Supports monopole with small footprint – 28' in diameter
- Pole and foundation support tight deflection with 4 carriers
- Compact for easy storage and shipping -20' GP container
- Can be installed above or below grade

AFS1900 Specs

EPA @ 55m/s (m ²)	25
EPA @ 123 mph (ft ²)	269.1
Ballast 16kN/m ³ (m ³)	88
Ballast 2700lb/yd ³ (yd ³)	115

INSTALLATION OVERVIEW

Manpower	12 man days
Ballast (Sand, Rock, Gravel)	120 cubic yards
Crane for Offloading and Install	14 hours
Tele Handler	10 hours





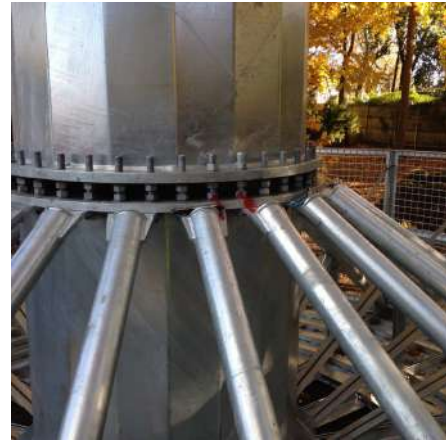
Foundation fits into 20' GP Container



Base Plate and Upper Cord Set



Side Walls Installed



**Foundation Assembly Complete
and First Pole Section Set**



**Foundation and First Pole Section Set
Prior to Ballast Fill**



**Local Gravel, Dirt or Sand
Used as Ballast**