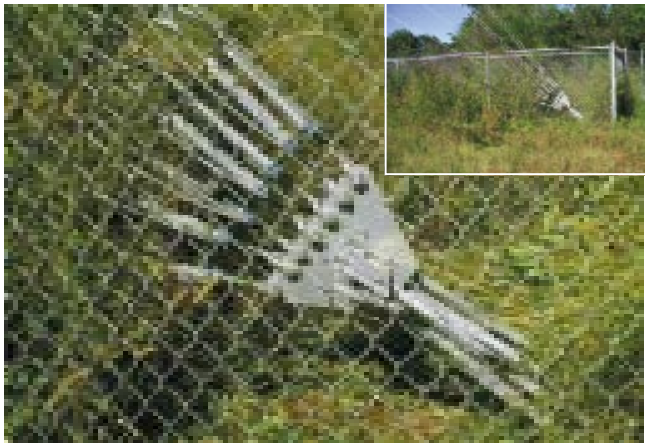
# Anchors and Foundations for Telecom Industry

**A CASE HISTORY**

**Site Owner:** Commsite International
**Location:** Morganza, LA

**Tower Supplier:** Sabre Communications, Inc.
**Foundation Contractor:** Two-Way Communications, Inc. Lafayette, LA

Tower Type : Guyed (5 Levels)
Tower Height : 300'-0
Center (Base) Reactions:
Maximum Compression 118.3 kips*
Maximum Groundline Shear 1.2 kips
*Plus weight of concrete pile cap of 10.0 kips
Design Load/Guy wire: 73.0 kips
(7 Guy wires into a single termination point)
Soil Profile:
0 - 35' Loose silt
35' plus Medium dense silt
Center Piles:
4 Type HS with 40'-0 of plain extension material
Ultimate Capacity (UCt) = UCb + UCf
UCt = 64.0 + 0.0 = 64.0 kips
Guy Anchors:
Four Type SS5 anchors per guy wire termination point. The four guy anchors were connected to the seven guy wires via a spreader beam and fan plate assembly.
Installation Equipment:
Case backhoe equipped with a 12,500 ft- lb drive motor with an internal torque- monitoring device
Track mounted rig equipped with a 12,500. ft-lb drive motor with an internal torque-monitoring device. Drive motor is located in a set of leads.



CHANCE™ Since 1912 DOWN. RIGHT. SOLID.

www.abchance.com

A.B. Chance, a Division of Hubbell Power Systems, Inc.
210 N. Allen St.
Centralia, MO 65240
Phone: 573-682-8414
Fax: 573-682-8660



ISO 9001:2000
QMI REGISTERED
Certificate No. 001136



**Bulletin 02-0003**
**Rev. 3/06**