

## Texas Hurricane Mitigation, AT&T-Texas Houston, Texas

CobbFendley's Hurricane Mitigation Project was **awarded the gold medal** in the surveying and mapping technology category of The Texas Council of Engineering Companies 2008 Engineering Excellence Awards.



After the devastating hurricane season in 2005, AT&T-Texas realized the significance of having a plan of action in emergencies. In such a disaster, time is of the essence, and optimal efficiency is extremely vital. AT&T-Texas had all of the records necessary for an infrastructure rebuild, but not in a centralized location. CobbFendley consulted with the AT&T-Texas Houston office to provide a solution which would aid in rebuilding its telecommunication infrastructure more efficiently in the instance a disastrous scenario ensued. The Hurricane Mapping Project consisted of utilizing geographic information systems (GIS) technology, and more specifically ESRI ArcGIS, to aid in rebuilding AT&T-Texas' telecommunications infrastructure more efficiently in the event of a disastrous scenario.

The extent of the project spanned from east Texas to south Texas, covering approximately 100 hurricane-prone wire centers along the 367-mile Texas coastline. The scope included much of the metropolitan Houston area, as well as densely populated south Texas, impacting millions of AT&T customers. GIS technology was employed to create a solution which would assist AT&T personnel throughout such a massive rebuild endeavor.

**Project Length:**

367-mile Texas coastline

**Completion Date:**

2008