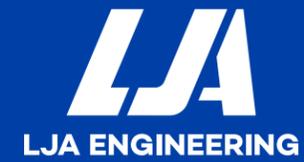


# Telecommunications

**LJA Engineering**

713.953.5200

LJA.com





# Telecommunications

From search ring to on-air, LJA has the expertise and resources to help build your wireless infrastructure on time and on budget. Our seasoned telecom professionals have over 200 years of combined telecom experience and understand the importance of controlling site development costs and speed to market. LJA is known for delivering telecom services on a timely basis, often well ahead of schedule, and for achieving cost-effective solutions that meet financial goals. Our approach to site development, modifications, small cells, and DAS is both centralized and local which reduces cycle time, reduces costs, and streamlines the site development process.



## Site Development

Wireless build-outs are complex and deployment schedules are fast-paced. Partnering with the right site development team that has ample resources and industry expertise is critical to the success of your project. LJA is uniquely positioned to drive acquisition milestones and deliver uncompromising results.

- Site Identification/SCIP
- Lease Negotiations
- Zoning Assessment and Permitting
- Environmental
- Permitting
- Utilities

## Architecture and Engineering

LJA's in-house architectural and engineering work closely with clients to provide CD's and structural assessments needed to build and modify a site. We have over 20 experienced A&E professionals, with production facilities in Round Rock, Texas, who can quickly scale up to meet your project demands.

- Construction Drawings
- Zoning Drawings
- Lease Exhibits
- 3D CAD
- Surveys
- Structural Analysis
- Mount Analysis

## Fiber and Interconnect

Our telecom team is highly experienced in fiber-optic design and engineering work. If you need long-haul backbone, last mile interconnect, or urban area builds, we have the personnel skilled in all phases of network construction, project management, permitting, engineering, construction management, and inspection.

- Inside/Outside Plant Engineering
- Long-Haul Backbone Design
- Last-Mile Interconnect
- Right of Way Permitting and Acquisitions
- Utilities

## Construction Management

We look out for our clients' interests through thoughtful strategizing, planning, and execution at every step. Our extensive expertise is based on a concrete understanding of all phases and functions of the Site construction management process that provides our clients with critical information to make the best, most informed decisions.

- Tower Stacking
- Tower Modifications and Upgrades
- Decommission Work

## Project Management

LJA provides full turnkey management services that encompass scope, time, cost, quality, resources, communications, and risk. We excel at solving issues that arise, and engage in perpetual performance evaluations to ensure successful project integration, optimization and overall satisfaction. LJA is proud to utilize various methods of project management styles in direct correlation to the scope and timeframe parameters.

- Client Database-Tracker Management
- Vendor Management
- Turnkey Project Lifecycle Management

## We Provide

- Site Identification/SCIP
- Lease Negotiations
- Zoning Assessment and Permitting
- Environmental
- Permitting
- Construction Drawings
- Zoning Drawings
- Lease Exhibits
- 3D CAD
- Surveys
- Structural Analysis
- Mount Analysis
- Inside/Outside Plant Engineering
- Long-Haul Backbone Design
- Last-Mile Interconnect
- Right of Way Permitting and Acquisitions
- Inspection Services
- As-built Drawings
- Equipment Configuration, Installation, and Testing
- Construction Services
- Project Management

*Turnkey Telecommunication Professionals — We Build Networks*