

# Broadband Services



# Tectonic

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

[www.tectonicengineering.com/teleco](http://www.tectonicengineering.com/teleco)

# ABOUT US

Tectonic was founded in 1986 and is a multi-disciplined engineering and professional service firm, employing a staff of over 500 professionals. Tectonic has over 40 years of experience, with a reputation for offering professional quality services to its clients, earning a ranking in the ENR Top 500 Engineering Design Firms since 2001, with a current national ranking of 224.

Tectonic's success stems from a philosophy of providing clients with superior service through a staff of quality-minded professionals. When you choose Tectonic, you work with some of the finest professionals in the business; professionals who will earn your trust and confidence, every day, every project.

## MISSION STATEMENT

### TECTONIC'S GOALS, MISSION STATEMENT AND PHILOSOPHY

Tectonic has been guided by a focused philosophy and goals since the firm's beginning - vision, integrity and technical expertise. Simply put, Tectonic's goals are to:

- Maintain the highest standard of quality on each and every project.
- Complete projects within budget and on-time.
- Exceed our Client's expectations.





## BROADBAND SERVICES

Tectonic provides comprehensive Professional Services on new facilities, expansions, and upgrades. Our team provides the full range of permitting, A&E design, construction compliance and management and professional services resulting in cohesive, seamless projects. Compliance with client-specific Network Facility Standards, as well as, all permitting applicable for local, state and federal codes, and standards is integral in our design and commissioning process.

FCC Challenges

Master Broadband Planning

Site Due-Diligence / Feasibility Studies

Design and Permitting / OSP Services

Central Office / Hub Design Engineering

Program Management

Structural / O-CALC Analysis

Route Surveying

Grant Application Support

Make Ready Engineering

Aerial Tower Inspections / Inventories

Line of Sight Perspective Videos

Complete Drone Services



# PROFESSIONAL SERVICES

## Civil Engineering

Storm Water Management / Drainage  
Site Planning and Design  
Regulatory Permitting / Compliance  
Traffic & Safety Planning

## Geotechnical Engineering

Subsurface Investigations  
Foundation Design and Analysis  
Laboratory Soil and Rock Testing

## Land Surveying

Route / ROW Surveying  
Topographic / Boundary  
GIS Mapping  
As-Built Plans

## Structural Engineering

MRE O-CALC Design  
Vertical Structure Analysis  
Building Structural Analysis

## Environmental Services

Phase I and II ESA  
NEPA / SHPO Investigations and Reports  
Environmental Impact Statements  
Wetland Delineation / Mitigation

## Construction Services

Contract Administration  
Resident Engineering  
Inspections & Testing



# BROADBAND PROJECTS

## **Capital District Regional Planning Commission - State Challenge and Broadband Planning (New York)**

Tectonic was awarded a Master Services Contract to complete or assist in the completion of the challenges and broadband planning for the Regional Planning Commission that oversees Internet in UPNY Counties including Albany, Rensselaer, Saratoga, Schenectady, Greene, and Columbia Counties. Services include assisting the Region with State Map Challenges and developing Broadband plans for the Counties.

## **Lake Champlain-Lake George Regional Planning Board - On-Call Broadband Data, Planning, GIS and Engineering Services (New York)**

Tectonic was awarded an On-Call Broadband Services Contract to provide On-Call Broadband Engineering services for the Regional Planning Board that oversees Internet Service in five of the UPNY Counties including Clinton, Essex, Hamilton, Warren and Washington. Services include: Field Surveys, Ground Truthing, Broadband Feasibility Analysis, OSP Design, Workforce Development, FCC Map Challenges, and other services as needed.

## **Aristotle Unified Communications - Broadband Expansion (Arkansas)**

Tectonic is providing statewide services for Aristotle for development of CBRS sites across Arkansas. For 150 new site builds, Tectonic currently provides full Site Acquisition services including Due Diligence, Leasing & Regulatory Permitting; as well as Engineering, Geotechnical and Environmental Compliance Design Services.

**Broadlinc - Broadband Expansion (Tennessee)** - Tectonic is currently providing Comprehensive Project Management and Professional Services to Broadlinc in support of their CBRS (Citizens Broadband Radio Services) Buildout within the State of Kentucky. Services include: Leasing, Permitting, Engineering, Project Management, Deployment of Colocation Sites, Right of Way and New Tower Builds and Modifications.

**Cumberland-Salem County - Broadband PM (New Jersey)** - Tectonic was retained to provide engineering advisory services for a 220 mile planned Middle Mile Fiber Network throughout Cumberland and Salem Counties in Southern New Jersey. Services included a Broadband Feasibility Assessment, Route Summary Review, Review of CATEX exclusions, Project Design Support and assistance with Last Mile Services into unserved and underserved areas of the Counties.

**Franklin County - On-Call Broadband (New York)** - Tectonic provided on-call broadband services for Franklin County which involved developing and implementing a Broadband Deployment Plan with a focus on Macro New Site Builds for Fixed Wireless, Fiber Deployment, Macro Modifications, and Small Cell Densification.



# BROADBAND PROJECTS

**City of Sanibel (Florida) - Broadband Feasibility Study** - Tectonic was awarded a Broadband Feasibility Study project to assist and identify Local Broadband Initiatives that include, but not limited to, Internet Service Providers (ISP's), utility providers, anchor tenants, and other stakeholders in order to develop a citywide strategic plan. Field verification of the ISP information will also be performed. Services included a Broadband Feasibility Assessment, Route Summary Review and Community / Stakeholder Outreach efforts.

**Southern California Association of Governments / San Diego Association of Governments (California) - Broadband Permit Streamlining Services** -

Tectonic is providing a Permit Streamlining Report and a Model Policy that is meeting the requirements for expediting all site development for rural broadband and Fiber deployment work within SCAG and SANDAG regions. SCAG encompasses six counties, each with their own unique elements and challenges. Our focus is to identify common areas of complication and complexity for permitting of fiber, wireless and wireline broadband deployment.

**Verizon Wireless Projects (Nationwide)** - For over 30 years, Tectonic has been continuously providing Site Acquisition, Engineering and Program Management for Verizon sites nationwide. Tectonic has a national contract with Verizon to perform Engineering Design, Site Acquisition, Real Estate services and Construction Management.

**T-Mobile - Site Acquisition, Surveying, Engineering, CM, (Nationwide)** - First retained in 1997 by Omnipoint (Predecessor to T-Mobile), Tectonic has been continuously providing Site Acquisition, Zoning and Visual services, surveying, tower inspections / structural analysis, environmental studies and full-service engineering for sites located in numerous states nationwide.

**Pennsylvania Turnpike Commission - Communication Tower Analyses & Engineering Services (Pennsylvania)** - After providing engineering design services and structural analyses for communication towers under a three year contract for the PTC, Tectonic has been awarded a four year contract to perform engineering design services for communication towers. Tectonic has provided and will continue to provide Structural Analysis, Engineering Design, Tower Inspections & Mapping, Foundation Investigation & Mapping, Tower Alignment Surveys, and Construction Inspections.

**American Water Telecommunications Projects (Nationwide)** - Tectonic has provided Real Estate, Engineering and Construction Management services for the development of wireless telecommunications facilities across 27 states.



**AT&T Projects (Nationwide)** - Tectonic is working through Bechtel as a Turf Vendor and has provided services in the Southwest for Topographical and Utility Control Surveys. Tectonic has also performed Engineering Design and Construction Management for over 2000 new and existing tower sites throughout the Mid-Atlantic area.

## REFERENCES

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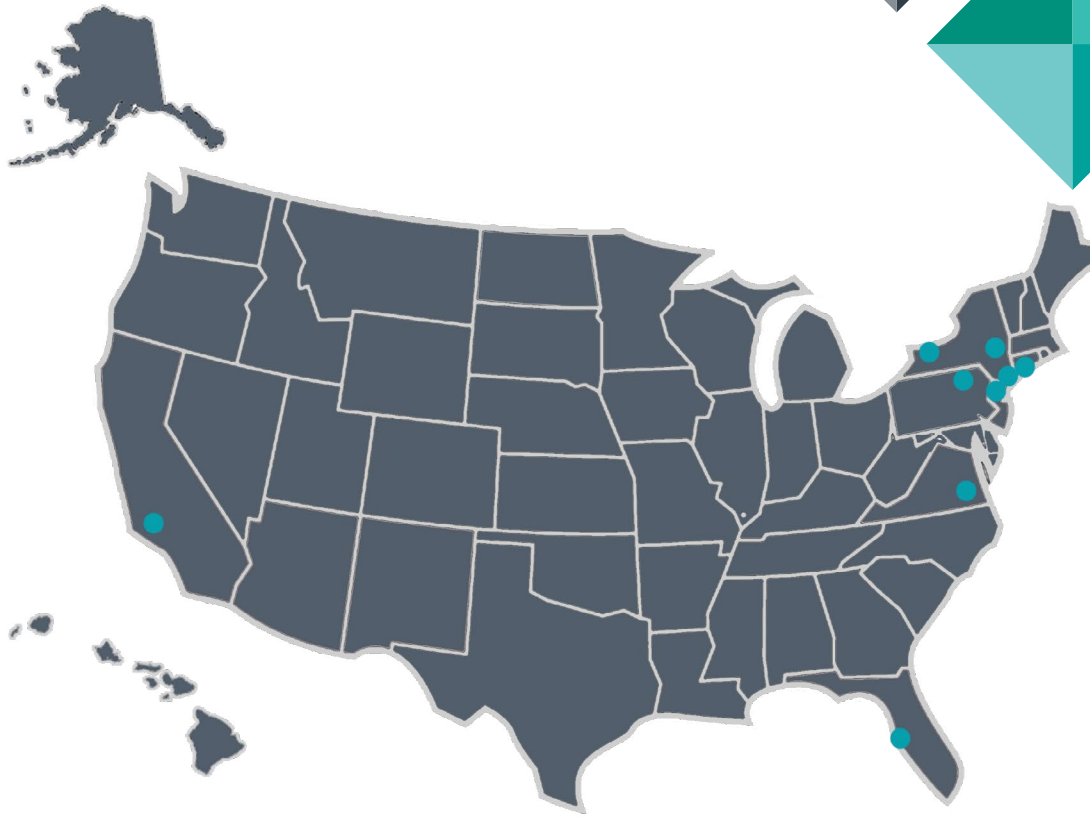
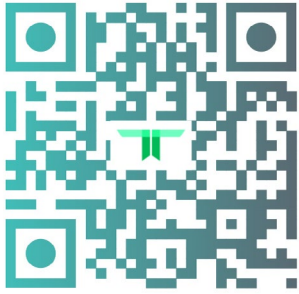
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